

Degree33 Surfboards

San Diego, ca

PRESENTS



THE COMPLETE GUIDE TO BUYING A SURFBOARD

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INTRODUCTION - WHO IS THIS GUIDE FOR?

Surfing isn't just another sport or hobby. It's a lifestyle. Surfing is a tribe of people that build their week around tides and swells. They understand that when you're in the water, nothing else matters. It's just you, your board, and your maker. There's something very "cleansing" about that. It's the one of few coveted activities that is rejuvenating, active, and yet so centering at the same time.

With surfing, once you've tasted the fruit, all you do is crave it. It's an inexpensive way to enjoy your exercise, reduce your stress, and bring you closer to that place where time stands still and everything is right.



Our goal with this guide is to introduce, re-introduce, or bring you up to speed with all the latest tested trends in surfing. Whether you have been MIA for a while, have never seen the ocean but want to learn how to surf, or have stayed in the water for years, this guide has all the details necessary to take you to the next step in to the deep blue.

For beginners:

If you're brand new to the surfing world it can be a little overwhelming. New vocabulary, equipment, and experiences mean that there is a lot of info for you to digest. Reading this guide will reveal everything from where to start and what to expect when you're just getting going, to more advanced info for the technical person. Honestly, the best way to use this guide is going to be to just read the whole thing.

For non-beginners:

Maybe you're trying to figure out what this epoxy thing is all about, or what the benefits of a quad fin are... the best way for you to digest this guide is to use the table of contents and read the sections that apply to you. Perhaps you surf all the time and you're looking for that next step but don't know all the elements of a surfboard to consider for that magic stick... If that's you, let us help you navigate all the things you need to look at. We'll cover the many attributes to a surfboard. This guide is for you as well.



With all that said, without further ado, here's Surfboards 101.

WHO WE ARE AND WHAT WE'RE ABOUT

When we started on this crazy journey in 2006 our goal was to do nothing more than create a part time income selling boards on Craigslist. We quickly learned however that there was a serious interest in being able to buy surfboards off the internet and that is where our story really began.

At the time, we were selling boards out of our 1 bedroom apartment in the University City area of San Diego. If you stepped into our place you would have found surfboards everywhere. The bedroom, loft, living room, kitchen, and yes even the bathroom had boards lining every wall. We had up to 97 surfboards in that little place at one point. One day, when having a serious discussion on whether or not to sell the kitchen table to make more room, we decided it was time to move this hobby turned business out of our house.

When your whole goal is to just sell boards, you kind of follow a “stack ‘em deep and sell ‘em cheap” philosophy. Our naivety had some unintended consequences however. We had created a business that was disconnected from those who had gone before us, an unfortunate reality that created more enemies in the surf industry than allies. There is so much history that comes along with surf culture, and admittedly, when we started, we were oblivious to that.

As with many things, with time comes understanding. Fast forward to today and the evolution of Degree33 is very apparent. We've gone from building generic boards with little thought given to shape and design, to teaming up with local San Diego shaper of 40 years, Bill Minard, to update, fine-tune, and design our shapes. Having a surfboard designed by a true master means that when you get one of our boards under your feet, it just feels right.

We now build all our fiberglass boards here locally in San Diego while all of our epoxy boards are built overseas like most board manufacturers, a fact few are willing to admit. Regardless, all our boards are built entirely by hand without the use of a shaping machine. This may or may not be a big issue for you, but we know it is for a lot of surfers. No one wants to see our industry outsourced to China, and even though the EPA has made it nearly impossible to make make boards here, we are building the boards we can in California.

We've gone from selling boards out of our apartment to a legitimate warehouse and showroom. Come on by and you'll see surf videos playing on the wall, a couch for you to kick back on, and a showroom full of surfboards for you to check out.

We've gone from kooks Luc and Holly Stokes, to a team of competent life-long surfers who help with virtually every facet of the company. Everyone of us was a beginner at some point. This is something we keep in the forefront of our mind as we help you out. We'll treat you with respect regardless of your skill level or "kooky-ness". :)

We're proud of some of the industry firsts we brought as well. We were the very first to offer a "Ride-It Guarantee" so that you can be confident that the board you invest in will be the right one. We also offer the rare opportunity to spread the cost of your board out over payments. This works like a layaway program, but you get to surf your board before it's even paid in full, a concept never heard of in the industry!

Most of all, we encourage you to be yourself. We offer a place in the surf community to call your own where it's safe to ask silly questions and look for guidance without giving you an elitist attitude. As you move through your journey as a surfer, newbie or ripper, we're here to help in every way we can.



When looking at surfboards for the first time we remember how frustrating it was to get all the information needed to pick the right board. We browsed dozens of websites trying to gather all the details to make a good decision. IT TOOK FOREVER and opinions varied. We knew there had to be a better way to find all the necessary details to buy the right surfboard; we just couldn't find it out there. That's why we created this guide.

Do we have everything figured out? Na, not even close. As a company we are just starting to understand what our industry and culture are truly all about, who came before us, what they contributed, and how we can continue in the legacy they've left behind.

Our hope is that we do more than that. We aim to build boards that leave you lusting for your next session, a brand that you can identify with, and a family you desire to become a member of. We'll never be perfect, but we promise to continue to learn, grow, and evolve. Thanks for joining us on this journey. Welcome to the family.

RIDE & LOVE IT OR WE'LL BUY IT BACK (EXCLUSIVE 33 DAY GUARANTEE)



We had a guy buy a board from us the other day who told us an interesting but sad story.

Just the week before, he'd bought a board from another retailer, took the board out, surfed it, and didn't like the way it rode at all. When he tried to take it back to them to exchange it, they said sorry we can't take back used boards. So instead of buying another board from them, he gave them the finger (his words not mine), sold the board on Craigslist, and came to us.

This got us thinking. If someone doesn't like one of our boards, we don't want them to be stuck with it. So why not just take care of them? That way you win with getting the perfect board and we win with having an army of happy customers.

We know we all want to think the next surfboard we get will instantly turn us into Kelly Slater or Laird Hamilton (some of the greatest surfers of all time) but the reality is, this just isn't the case... it's the board's fault I'm sure. :-)

So, even though we can't guarantee that buying a board from us will instantly make you a pro surfer... we can guarantee you'll LOVE the board you get from us OR... we'll buy it back from you.

Here's what we mean...

Buy any surfboard off our website and ride it for 33 days. If after 33 days it's not the perfect board for you, all you need to do is scrape the wax off, package it up like it was when you got it, get it back to us, and we will give you full retail credit towards any other surfboard in our warehouse.

Now that doesn't mean, a year later, or taking it to Nicaragua and bringing it back to me after the luggage crew has their way with it. Work with us here.

We want you to be confident in your surfboard purchase from us. So, we're putting our money where our mouth is. If you don't like it, we'll buy it back. This way you get to make sure that this surfboard is the one you've been looking all over for.

Fair Enough?

USED SURFBOARDS... BE CAREFUL... PLEASE

A lot of the time when you're starting out, the cheapest solution is often the most sought after, and used surfboards are typically going to be your cheapest option. Unfortunately they can also be the worst choice a new surfer can make. Here's what we mean...

Just like when you go buy a used car, a used surfboard can have any number of things wrong with it. Things that, unless you're a "mechanic", you'd never see. Here are a few of the most common used surfboard issues:

1. Hidden damage- Hidden damage is probably the most common issue with used surfboards, mainly because so often a used surfboard is already waxed up. It is very easy to hide cracks and holes when you fill them in with wax. Also most used boards are purchased at night, after work, when the light isn't very good. This makes it increasingly tougher to see damage when you're in a low light situation. If you do end up buying a damaged surfboard you will be forced to fix it so that it doesn't become water logged, or you will deal with our next issue.

2. Water Logged- When a surfboard is cracked while still in the water, it is impossible to get your board out of the water before water is absorbed into the foam. Having water in your foam is a common thing to deal with, but unfortunately it is dealt with improperly most of the time. After surfboard foam is exposed to water it must sit and dry out **BEFORE** it's repaired. This can sometimes take a week or two, depending on the amount of water absorbed, and if the person isn't really patient, they will repair it too soon. This causes a couple of problems. First, it will leave the board really heavy and unbalanced. This will make the surfboard hard to paddle, it won't float very well, and won't handle well either. The other problem that is caused by fixing it before it dries out is de-lamination. The water, over time, will cause the foam to rot and deteriorate and ultimately create "soggy" spots in the structure where the glass and resin will pull away from the foam. Once a board delaminates, good luck returning it to its original condition without cutting it apart, digging out all the "rot", and refilling it.

3. Wrong Board- Getting the wrong shape and size is very easy to do when you're buying a used surfboard. Even if you're sure you want a 9ft longboard there can be **HUGE** differences in 9ft longboards. From thickness to width to bottom concaves to rail shapes to tail shapes... and more. All surfboards **ARE NOT** created equal. Using the car analogy again, it's like saying I want a 2 door car but there is a massive difference between a Honda Civic and a Ferrari 360... both have 2 doors but they are extremely different. The problem is, in the surf world, the Honda and Ferrari look really similar, and if you don't know what you are looking for, you could pick the wrong one.

4. Major Hassle- What is your time worth? Let's say you're looking at craigslist for a used board and find one across town 30min away. You head there after work, fight traffic there, fight traffic back, and take an hour and a half, only to find out that the board wasn't in as good of shape as the seller made you believe, or as the pictures showed. How many times are you willing to do that to save \$50 or even \$150? Let's say that you do find one, buy it, take it home only to find out something is wrong with it that you hadn't noticed. Do you really think the private seller is going to say, "Oh sorry you didn't see that when you bought it... just bring it back?" If the seller is a man of integrity he would have told you about any issues before you even left with it.

We're not saying, "Don't buy a used surfboard...", we even sell used surfboards, what we're saying is, unless you know exactly what you want and what to lookout for, buying a used surfboard can sometimes be a real pain. And the major problem is that all these issue are VERY tough to look for and see.

If you are going to buy a used board, make sure that you know the individual that is selling the board. That way you know how it was handled, and whether or not you can trust them. Sometimes buying a new surfboard is worth it when you consider the hassle and frustration that can happen buying used, especially when our new boards are relatively inexpensive. If you are going to buy used, make sure that you take someone with many years of surfing experience with you to help evaluate your purchase.

[Click here to see our Used Surfboards](#)

[Click here if you don't want to hassle with used](#)



BEGINNERS – WHERE TO START

Sizing our customers up brings a whole new dimension to surfing. Typically, as a beginner you are forced to buy a surfboard with one primary focus, stability. The bummer about this is even though you are able to stand up... once up, you can hardly turn your board. This forces you to buy another board just to progress and move on (just what you wanted to do... buy 2 boards to learn to surf).



If you did want more maneuverability, you sacrifice float, paddling, and stability, leaving the learning curve super steep and making surfing more difficult than it really is.

HOW DID WE FIX THIS PROBLEM?

We've thrown out the idea that each shape caters to a certain style of surfing or surfer. Some companies only make shortboards, some, only longboards. Many shapers take pride in having extremely fine-tuned surfboards for every little application.

Our surfboard lineup is tailored to span all types of surfers. Each board is designed with the widest range of surfers in mind. This means each board will be forgiving while learning, yet will present new doors to open around every corner while you progress.

We've taken into account all the elements needed for stability (thickness, width, and concaves), and combined them with the critical elements of maneuverability (rocker, rails, and fin setup). With all the elements working together, you get a board that is stable AND maneuverable. This is EXTREMELY important as a beginner.

Bottom line, as a beginner, you want a surfboard that is both easy to learn and will be a blast to ride as you get better. Just email or call us and we'll ask 21 questions about who you are and what you want out of surfing... You called us wanting to know which of OUR boards you should buy. We'll give you an honest and educated answer.

HEIGHT & WEIGHT = LENGTH & THICKNESS

Your height and weight directly affect the length and thickness of your surfboard. In general if you are a beginner, THINK BIG.

The reason for this takes us back to the simple dynamics of volume. More volume will float you better, and will feel more stable. This is very important when learning to surf because it allows you to develop technique and balance on a very consistent object.

Keep in mind that as you add length to the board, it'll be tougher to paddle out through waves. Although your longboard will feel easy to paddle in calm waters, you still need to hold onto it as you go through the waves. If your board is too big for you, you may feel like you are trying to steer a barge, and that is a disaster waiting to happen!

Here are the general rules a beginner should use for length:

Buy a surfboard that is roughly 36" or 3' taller than the rider. We know this seems huge but you will learn faster and have a lot more fun if you go with a bigger board.

When it comes to thickness, as a beginner, you really won't have too much to worry about here. Most longboards are in the 2.5" - 3" range and for most surfers under 200lbs that should work great. If you're in the 200 - 260lbs range will need a little more volume for your surfboard and will likely need a board in the 3" - 3.75" range. (For over 260lbs, you will likely need to order a custom surfboard. For small riders like a grom (youth) read the "Kids" section.)

THE PERFECT SURFBOARD FOR ALL BEGINNERS

There are many surfboards out there to choose from... from websites to craigslist to surf shops. Everybody has a board they are trying to sell but most of the boards for sale won't work for a beginner because of all the reasons we mentioned in the previous 2 sections... If you haven't read them stop here and read the 2 sections above.

More than likely you'll be starting on a longboard. The only question to ask is "which one?"

THE ULTIMATE LONGBOARD

The flagship of Degree33 Surfboards, we decided to call this longboard the "Ultimate" because of its unique ability to combine and utilize so many elements of great longboards into one board. It's super stable, turns great and takes little effort to paddle. It starts with a flat-to-double concave that allows this longboard to paddle and glide super easy. This is essential to catching waves as you need to match your board speed with the wave speed for easy take offs. The cornerstone, however, is the beveled or "chined" rails that stretch from the nose to just in front of the side fin boxes. The most common "turning error" is digging a rail into the wave, getting stuck, and being unable to bring the board around. The chines actually pull the rails up and away from the water allowing for the easiest turns you've ever made on a longboard. This board is for **EVERYONE**.



"Luc & Holly,

I just wanted to send you a quick personal response on that Ultimate I picked up from you last weekend. Holy &*\$% that board is sweet. I am just learning how to surf and don't have much experience with other boards (a couple of rentals is all) but that board was so much easier to ride than anything I've ever been on.

It paddled great, and I was even able to turn it... I've never been able to turn any other surfboard. I am rambling but I am SOO excited and thought you should know. Make sure that any beginner that buys a board from you buys the same one I did. Home run man. Thanks."

-Chet Womach
Lacy, WA (soon to be CA I hope)

[Click Here for 8' - 8'6" Ultimate Mini Longboards](#)

[Click Here for 9' - 10' Ultimate Longboards](#)

“TRANSITION-ERS” - WHAT SURFBOARD IS NEXT?

HEIGHT & WEIGHT = LENGTH & THICKNESS

Height and weight will always play into your board selection but as you progress in surfing it becomes less of an issue.

There isn't necessarily a rule of thumb guideline that I can plug in here and tell you the magic size. It will depend on the style of board you are selecting, where you will be surfing, the types of waves you will be on, and of course your height and weight.

If you're looking to move down in size we would recommend you give us a call so that we can help you pick the right board for your circumstances. But for those of you that need some direction here are a couple of common choices.

POPULAR TRANSITION SURFBOARDS

Transition surfboards are typically going to have a little pointier nose and a pulled in tail. This will provide more maneuverability and a looser feel.

Here are our top 2 transition boards.



THE POACHER FUNBOARD

It's summer time blues and you still want a solid wave count. Take the Poacher for a spin. It's designed to be fun, loose, and a wave catching weapon when the waves render shorter boards useless. The Poacher has a purpose for everyone. It's unique. It's perfect for a first time grom (youth) or a lightweight lady looking to get out on the water on a manageable board. It's also ideal for the average surfer wanting to catch everything without moving to a longboard. A thruster fin setup on a round pin tail outline gives you classic control and smooth turns. The Poacher gives you great speed down the line and keeps your rail to rail transitions quick. This means you'll not only be laying turns when there's some push, but it will make those smaller days a breeze as well. This board is for ALL skill levels.

[Click here for full description and of the Poacher](#)



THE JACK HYBRID

If you could only have one shorter board, the Jack is the best choice. With the ability to surf it as a quad or a thruster, the Jack can flex into just about any role. Small and mushy or punchy and hollow, The Jack will excel. The Jack has extra width and volume through the entire outline with a pulled in double wing swallow tail for hold in bigger surf. The extra width under the front fins adds stability and lift when driving through turns and planing through the flats. Whether you're looking for a transition board or the perfect one-board-quiver to travel with, you won't be disappointed with the Jack. Longer lengths are for beginners looking to transition into intermediate surfing. Shorter lengths are for intermediate to advanced surfers.

"Hey guys!

I'd been looking for a board to bridge the gap between my shortboard and a few alternative, casual wave style boards. I needed something with more volume than a potato chip, yet aggressive enough to break the fins free when snapping off the lip. I picked up a Nexgen Jack in a 6'0" and upgraded the fins. It was super responsive as a thruster and it's extremely quick and agile as a quad. If it's 2-3ft or even a foot or two overhead, the "Jack" is my daily driver. Stoked!"

-Ray K.
Oceanside, CA.

[Click here for full description of the Jack](#)

YOUTH (GROMS)

When you're talking about buying a surfboard for a grom the rules change a bit. First of all, they grow like weeds, and this means that a surfboard that is the right fit for them now, won't be next year. Second, their ability to learn new things and adapt is superior to adults, so the style of board that you get them is really relative.

Let's start by addressing the first one. You may want to buy a board that is a little too big so that your grom can grow into it. As a guideline, a board that is 12-24" bigger than they are, is a good place to start. Make sure that the board is on the skinny side of things 19-20" so that their arms can fit around it. This will make it not only easier to paddle but this ensures that your son/daughter will be able to carry it from car without dropping it.

Our second point is that the shape you pick for your child's board isn't that important. As long as the volume is appropriate for their size, you can get a shortboard or a funboard and they will be able to stand up quite easily.

Our recommendation out of our line is a small soft top, the Poacher, or one of our shortboards, with the Poacher taking the lead.

The Poacher is great for a grom because of its short length and slender profile. The wide round nose will allow them to catch a ton of waves while the tail shape and fin set-up will allow them to turn the board easily.

It's also big enough that they will be able to grow into it as they not only grow taller but get better. You can view the Poacher on the previous page.



Our shortboards are another great way to go. They are a little bit narrower and have that “cool” surfboard shape that the groms want to have when they head to the beach. Currently we have two feature designs in our shortboard lineup with the “Standard” and the “Whip It”. These are definitely a little big for most groms as the shortest one we carry is a 6'0 but would allow them to grow into it as they mature. We are planning to add more shortboard shapes and small sizes so check our site to see what we are carrying now.

[Click here to view all our shortboards](#)

SURFBOARDS - THE BASICS

UNIVERSAL ELEMENTS TO CONSIDER REGARDLESS OF SKILL LEVEL

SURFBOARD CONSTRUCTION

POLY (TRADITIONAL GLASS) VS. EPOXY

The construction of a surfboard is based on the type of materials it's made out of. Because of this, the question you have to ask yourself is if you want a Poly (traditional glass) or Epoxy board. Let me break the two choices down.



POLY (short for polyurethane): Uses traditional construction of polyurethane foam, fiberglass and polyester resin. Poly boards are reinforced with a wooden stringer that runs down the middle of the board. The final product is a board with a dense core and thin glass yielding basically a soft flex.

Surfers who ride poly feel that these boards are more responsive even though they have a little extra weight. (They tend to be about 2-3 pounds heavier on average) They are known for their ability to really “dig in” to the wave to get clean carving turns.

There are a few downfalls to poly boards however.

First of all, due to their soft flex, they are more prone to heel dents in the deck (the top of the board). This is essentially a pressure dent from pounding your foot, or knee down either when standing or wiping out. Most surfers feel that the soft flex and the way it performs is a great tradeoff for putting a few dents in it.

If you scrape the wax off of a used poly board, you will likely find many pressure dents regardless of the surfer’s ability. It’s just part of the deal.

Another thing to be aware of with a poly board is the way it “ages.” The polyester resin yellows from the sun. This results in faded colors, and a very “used” look. This may not make a difference to you if you like the way the board performs!

Additionally, Poly construction requires use of super toxic VOC’s (volatile organic compound) from not only the resin, but the chemicals used to clean, dilute, and work with it.

Despite these negatives, its soft flex and construction have allowed poly boards to dominate the market for years. They have been well tested and refined on boards of every size and shape, and cater to surfers at every level.

Finally, let's talk about the price of these boards. Obviously there are many factors when determining the price of a surfboard. (i.e.: Length, Shape, Graphics, Customization etc.) The general cost for a poly shortboard at a surf shop would be anywhere between \$500-\$800. For a longboard expect to pay \$800-1200.

Since we're our own shop with just a handful of employees, we can offer you a custom poly surfboard at the low end of the price spectrum, built right here in the U.S. of A by legendary shaper Bill Minard. We can make poly boards in any shape you dream up!

[Click here to see all our Poly Surfboards](#)

So why all the talk about new technologies for surfboard construction?

Well, as you may or may not know, in December of 2005, Clark Foam, the industry leader in poly foam blank production, unexpectedly closed its doors. From that point on shapers everywhere have been experimenting with everything, to come up with an alternative to the gaping hole that Clark Foam left in the industry.

By experimenting with other types of foam and resin, like epoxy, shapers have developed a way to make an even lighter and tougher board! Up until the close of Clark Foam, Poly boards dominated about 90% of the market.

Our team of shapers, which has 50+ years of combined experience, has transitioned with the market and is now producing high quality, custom, hand-shaped, epoxy boards.



EPOXY or EPS: Epoxy boards are a combination of polystyrene foam, fiberglass, and epoxy resin, resulting in a much lighter and much more durable surfboard! Unlike the wooden stringer that is always used in a poly board, epoxy boards may or may not use wooden stringers. Instead, many EPS boards use a plastic stringer (typically PVC) that reinforces the board's strength while still maintaining its light weight characteristics.

EPS stands for "Expanded Polystyrene." This is open-celled, beaded foam, which is used in everyday items such as Styrofoam cups, beer coolers and car seats. As the name ("expanded polystyrene") implies, EPS is expanded into a mold to ultimately end up with a finished product at a specific density.

Don't get me wrong though. We're not saying that EPS boards are "shaped" by filling up a mold; the mold is simply a starting block of foam in which custom surfboards can be shaped from. This allows shapers to create high tolerance molds of EPS to cut surfboard

blanks out of, or specifically format custom shapes for individual products.

Just like with poly boards, epoxy has its own set of drawbacks. The open cell beads can present a problem if the board is cracked because it has extra space between beads, allowing water to get in. To prevent this from happening, if you damage your surfboard, simply get out of the water and apply a little Solarez (ding kit) to seal the problem area.

[Click here for full description and to purchase Solarez](#)

The other drawback to epoxy is its sensitivity to sunlight. Heat and UV can cause a great amount of damage to any epoxy board. As the heat and UV react with the materials of an epoxy board the board will expand and can delaminate if not taken care of. The easiest way to combat this issue is with a bag, especially if you're going to have your board in direct sunlight for a while. If you're just going back and forth to the beach to surf, and your board is in the water or the house the rest of the time, you should be just fine. Keep in mind we've seen boards get damaged in as little as 30 minutes in intense sunlight.

However, the great thing about epoxy resin is it's bulletproof... just kidding, but it is really tough. Epoxy resin is a VERY durable, ding, dent, and crack resistant coating.

Epoxy Surfboards are some of the Lightest and Strongest Boards on the Market!

So What? Well, there are many elements to your surf session that would be enhanced by a lighter board. Just carrying a heavy board to the beach is enough to make a beginner exhausted.

You are bound to bang it on something along the way...cars, railings, who knows, they all seem to jump right in your path! Good thing your epoxy board is so ding resistant!

Beyond just getting to the waves, you will be happy that it is light when you are in the water too. The main reason is that you will be maneuvering your board multiple times whether it is to get out to the waves, paddling through them and getting knocked off, or actually paddling into them.

Granted, because the board is in the water it will feel lighter than out of the water. (Think about carrying your friend in the swimming pool...they always feel lighter!) But, when you add resistance from the waves, you will be thankful for a light board that you can quickly maneuver and keep control of.

Because of the materials used, EPS boards are less dense than a PU and have a very lively (stiffer or faster) flex. Surfers riding epoxy boards know that the lively, harder (faster) flex produces what feels like a "floatier" board.

EPS boards feel more on top of the water, paddle faster, and many say are able to gain more speed from the wave. These three elements alone are enough to make an epoxy board a hit with surfers of every ability level.

Being on top of the water will allow you to conserve your energy during your surf session because you will not have as much drag. This will also allow you to paddle faster because you will be able to “glide” instead of “dig in” and sink.

Finally, the element of speed that you gain with an epoxy board is a very important one. The quicker you are able to pop up in the wave, the more likely you will be able to ride it down the line. This seems like a simple thing, but the difference of even a half a second can mean that you are getting wiped out, vs. being in the perfect spot to ride the breaking wave.

Another benefit of epoxy boards lies in the construction. They are more environmentally friendly with less toxic VOC's and can be cleaned with denatured alcohol.

Not all surfers are sold on the way they perform. Pro surfer, Rob Machado said, “There are no disadvantages to epoxy in under head-high waves.” “But epoxy is less responsive in overhead waves, a way different feel.”

The demand for our surfboards in epoxy construction has given us the opportunity to take our production levels to the next level, in turn, dropping the cost of materials by buying in bulk. Where epoxy boards used to cost more than poly, they are now our best bargain. A less expensive surfboard that lasts longer? This is the best option for getting started with surfing. You'll find epoxy shortboards selling in shops for 500-700 and longboards for 700-1000. We can save you HUNDREDS of dollars with our epoxy boards.

[Click here to see all our surfboards including epoxy models](#)

Lastly, many people are concerned that such a tough board with little flex would snap easily if tested. Never forget that regardless of what your board is made of, any board can break. Shapers do their best to make a board that is super tough, but one that also has flex. To achieve both of those things is an art. Breaking boards is not a common occurrence but every so often it does happen. Don't forget, the ocean is powerful and boards are susceptible.

The moral of this story is that you will probably gravitate to one or the other (EPS or poly). If you are new to surfing I personally would recommend epoxy for the simple fact that they are very durable and surf great.

NEXGEN: THE EPOXY THAT FLEXES

That's right, epoxy that has flex! One of the benefits of Clark foam shutting down has been the boom of technology that has been focused on. Gone are the days where fiberglass reigned as king.

Throughout the years we have been working hard at offering affordable epoxy boards for the everyday consumer but also wanted to offer a product for those who desire even more out of their board. So NexGen was born.

WHAT MAKES NEXGEN DIFFERENT?

Responsiveness! Our NexGen boards are hand shaped and finished using the highest quality materials available. Our NexGen boards are often lighter than your standard epoxy surfboards and much lighter than your typical fiberglass board. We use an epoxy resin that is stronger than your typical fiberglass resin. With a stronger resin and a lightweight EPS blank, we're able to construct an epoxy board that's tough yet super responsive.

While standard eps/epoxy surfboards nearly match the lightweight benefits of NexGen, they don't have the performance flex pattern desired by intermediate and advanced surfers.

NexGen boards have been described by the guys at the shop and customers alike as being extremely "lively" beneath their feet in comparison to other boards. Bottom turns and cut backs are made without losing drive and still keeping momentum. Don't believe us? Try it for yourself, we dare you. :)

[Click here to see all of our NexGen Surfboards](#)



POP-OUT VS. MACHINE SHAPED VS. HAND-SHAPED

There are distinct differences between Pop-Out, Machine Shaped, and Hand-Shaped.

POP-OUT - You will want to stay away from this construction. This is the cheapest way to make a surfboard. In short, what they do is make a mold for the hard outer layer, fill it with foam and then mass produce it. There is very little quality control in these boards. They are known for breaking easily because of poor construction.

MACHINE SHAPED - Machine shaped surfboards are becoming more and more common. It allows surfboard shapers to produce a board once and then have a CNC machine shape the boards from there on out. This can really make someone's operation a lot more efficient allowing a quicker production time and higher volume... all with very little tolerance for error. The shaper finishes some of the fine details. This is the go-to method for big companies that need to meet a high demand.

While this may be the future of surfboard production, here's how we feel about it. Surfing is a sport that has a true heart and soul to it. If you've spent any time in the water you know exactly what we mean. There are very few things these days that aren't mass produced and even though surfing is moving in that direction, we'd like to keep it as pure as we can while staying competitive. So for now, if you have the choice, buy a board that has been shaped by hand.



HAND-SHAPED - Hand-Shaped boards are the best way to go. They consist of a solid piece of foam shaped entirely by hand from a block to a masterpiece. The only variation in construction comes from the human hands and the slight difference they will make from board to board. This is where the master shaper shows their true talent in creating a true piece of rippable artwork!

That's why every surfboard you will ever buy from us at Degree33 is shaped by hand by someone that has years of experience. Don't let us confuse you, we produce a lot of surfboards, but there is a big difference between mass production of surfboards like we mentioned above and having a dedicated TEAM of shapers that all they do is shape surfboards. As you can imagine if you have enough people you can out-produce a machine. Don't sell yourself short by cutting corners... WE DON'T.

[Click here to see all our Hand Shaped Surfboards](#)

"Why am I being sent to the homepage?" ... All our surfboards are hand-shaped.

BOARD SHAPES

The overall shape of your board, (taking into account nose & tail shape) will essentially determine how your board performs.

Most boards fit into a general category, in which the other boards in that category will also have similarly shaped noses and general outlines.

There are obviously exceptions to this rule when a custom board is created. In this case, the customer can literally pick what type of specifics they want for the board.

Here are the most common shapes of surfboards, and an explanation of who would most likely be surfing them. This will help you determine the best shape for you.



STAND UP PADDLE BOARD

The stand-up paddleboard has burst onto the surf scene recently because of its unique combination of fun and exercise. If you have been looking for a new way to enjoy the water, whether it is on a lake, river, or in the ocean, this versatile all around SUP is the perfect fit. Our SUP is user friendly and for EVERYONE! Try this board in waves up to waist high.

Some of the typical highlights are-

- Size range from 8' - 12'
- Provide a great workout
- Can be used in many different bodies of water.
- Very stable platform that you stand on the entire time
- Propelled by standing up and using a single paddle
- Great for EVERYONE
- Surf in flat to waist high waves

[Click here to see all our SUP's](#)

LONGBOARDS



This shape is ideal for any level of surfer especially for those small wave days. A longboard is what we recommend for all beginners and/or larger surfers and is one of those boards that EVERY quiver should have.

Some of the typical highlights are-

- Range in size from 9' - 11'
- Very buoyant due to its large volume (*width, thickness and length*)
- Round nose and squash/square tail or rounded pin tail
- Wide through entire board 23+” (provides stability)
- About 2.5” - 3.5” thick (adds buoyancy making it easy to paddle)
- This board style is for EVERYONE
- Great on anything ankle to chest high

[Click here to see all our Longboards](#)

MINI-LONGBOARDS



The mini long is primarily a slimmed down version of the longboard. It carries many of the same characteristics but in a smaller size. This shape is ideal for lighter weight or female beginners and/or intermediate surfers.

Some of the typical highlights are-

- Size range from 8' - 9”
- Round nose and squash/square tail
- Wide through entire board ~22” (provides stability)
- About 2.5” - 3” inches thick (making it easy to paddle out)
- Great for transitioning from beginner to intermediate longboarder
- Ride in anything from ankle biters to chest high

[Click here to see all our Mini Longboards](#)

FUNBOARDS



This shape is ideal for light weight beginners (120lbs and under) or intermediate surfers looking to transition down in size from a longboard. Includes: egg shapes, fish, etc.

Some of the typical highlights are-

- Size ranges from 6'6" – 7'6", and anything that is 20" or wider
- Can have a variety of nose & tail shapes
- Overall outline makes it easy to paddle and versatile to surf
- A great transitional board as you step down from a longboard
- Surf this board in anything from knee to chest high

[Click here to see all our Funboards](#)

HYBRIDS



This shape is ideal for intermediate surfers or surfers wanting to transition from a mini longboard or funshape down in size. The main thing to keep in mind is that a hybrid surfboard is a combo of varying elements. From nose shapes to tail shapes to fin setups. Different combos are going to give you a different ride and feel.

Some of the typical highlights are-

- Size ranges vary greatly and can be anywhere from 5'6" to 8'+
- Longer boards can have pointed noses for tighter turns
- Shorter boards will have a wider nose for easy wave catching
- Greater width and thickness will provide stability and float
- Great transition board for someone who wants to move faster
- Can make a great first board for a youth or grom
- Surf this board in anything from knee to head high

[Click here to see all our Hybrids](#)

FISH



This shape is ideal for intermediate surfers. Looking to maximize turns and speed on small to medium sized waves.

Some of the typical highlights are-

- Size range from 4'8" – 6'2"
- Surf this 2-6" shorter than your shortboard
- Wide, pointed nose (for carving turns)
- Swallow tail (channels water to generate speed)
- Width and thickness provides strong wave-catching ability
- Great transition board for stepping down from a funboard
- Great transition board for stepping down from your shortboard
- Best in knee to head high waves

[Click here to see all our Fish](#)

SHORTBOARDS



This shape is ideal for intermediate to advanced surfers. Designed for maneuverability and aggressive moves, the shortboard has been a surfing staple since the 70's.

Some of the typical highlights are-

- Size range from about 5' – 6'10"
- Ride this board as long as you are tall or longer
- Pointed nose (for maneuverability and carving turns)
- Square/Squash/Swallow/Round tail
- Unless you have been surfing for a while... **STAY AWAY!**
- Ride this board in waves waist high to overhead

[Click here to see all our Shortboards](#)

FOAM OR SOFT TOP



Although surfing is a relatively safe sport, there are definitely inherent risks with surfing including getting hit by your surfboard. The soft top or foam surfboard is perfect for the surfer worried about injury while surfing, especially if you are trying to teach young kids or anyone worried about the bumps and bruises that are sometimes tied into learning.

Unfortunately, soft tops aren't necessarily the best to learn on because of their very generic shape (typically flat on the bottom) and the fact that over time they can take on water. However, the plus side is that they have a low price point for someone not sure they'll enjoy surfing. They're also a good place to start with young surfers because we all know how easily their attention gets changed... this week surfing... next week skateboarding. :)

WHAT MAKES OUR EPOXISOFT SURFBOARDS DIFFERENT?

Unlike the soft boards that you find at your local shop which are made up of all foam, ours are made on top of a real surfboard! So here is how it works, we make a hand shaped epoxy surfboard and wrap the top with our soft grip material. No laminated bottoms here! You get performance you can't get with a standard soft board while having the comfort of knowing you can take some spills and not land on top of a hard epoxy or fiberglass surface. (Not to mention you can use alternative fins for when you start to progress!)

[Click here to see any soft tops in stock](#)

ESSENTIAL SURFBOARD ACCESSORIES

In addition to a surfboard you will need a number of accessories for you and your board.

LEASHES

When you paddle out, you will notice that, without a leash, losing your board means you're in for a long swim. That's assuming that your surfboard hasn't been stopped by someone else's head. A surfboard without a leash can be dangerous.

Benefits of a surfboard leash:

- Saves time and energy. You won't be chasing after your board every time you fall.
- Protects the surfboard from being washed away and smashed up by rocks.
- If you wipe out, surfboards float, your leash will show you which way is up.

What size surf leash is best for me? There are 2 factors:

- The shorter your surfboard, the shorter the leash should be. You guessed it, the longer the board, and the longer the leash.
- Smaller waves need thinner leashes; bigger surf requires a thicker, stronger leash.

If you are new to surfing, buy a leash that is about the same size as your surfboard. A thicker leash will generally last longer than a thin one.

A word of warning: When the leash is stretched the board can shoot back at you. Always protect your face with your hands when resurfacing.

[Click here to see our line of Leashes](#)

BAGS

Surfboard bags are often considered optional, but, in our opinion, they are essential for the newer surfer. There are a number of benefits to having a bag for your board.

1. Bags help you carry your board to and from the water.
2. Bags will protect your board from being damaged in transport. If you carry your board on the top of your car, a truck could kick up gravel. This can cause damage that could prevent you from getting in the water, or worse, you don't see it until you get out of the water... even more damage and repair costs. It's also common to bang your board into something while you carry it around... be it a wall, a car, a tree...

3. Bags will protect your board from damage while stored. If you store your boards in the garage like most people do, you are liable to have something run in to it or fall on it... kid, car, lawn mower...

4. Bags protect your board from heat and UV damage. Damage from heat and UV light to a surfboard can be game changing. For a traditional glass board, damage happens slowly over time. It starts with just some discoloration. Over time, it will make the resin, glass, and foam brittle, making your board susceptible to all kinds of damage. The heat and UV damage to an epoxy surfboard is quick and severe. If left in intense direct sunlight for even a half hour, an epoxy board can begin to delaminate. This happens because the components that make up an epoxy board expand in the heat and UV light causing the board to bubble. If you're just walking back and forth to the water, you won't have any problems, but if you spend a half day at the beach, keep your board covered. This goes for transporting your board on roof racks as well. If it were us, we wouldn't leave our epoxy board in direct sunlight for more than ten minutes. A question we get is, "Are all epoxy surfboards like this?" Yes, this is one of the very few drawbacks to epoxy surfboards.

NOTE: If your board is in the water you are fine.

A bag will slow down, if not completely stop these problems; protect your investment.

[Click here to see our line of Bags](#)

WAX

Surfboard wax provides grip for your feet on your surfboard. Surf wax also stops you from sliding off your board while paddling out to the waves.

As the name would suggest surfboard wax is primarily made from bees wax and paraffin. Generally other substances are added to provide tropical fragrances.

There are huge varieties of different surf waxes to select from and you need to ensure that the wax is going to be right for your surfing environment. If you are surfing in Hawaii you will need totally different wax than surfing in a cold water climate like South Africa.

Wax is designed for ranges of water temperature. You need tackier wax in cold water and harder wax in warm water. If in doubt, read the label or give us a call.

Another good way to make your wax stick to your board is the use of base coat. Base coat is like primer for a wall your about to paint and will help the top coat adhere better.

[Click here to see Surf Wax](#)

DING REPAIR

Serious dings should be left to a professional, bottom line.

BUT, let's say you're surfing abroad. The place is remote; no surf shop for miles, or kilometers for that matter. You crack the rail on a wipeout. Or worse, it gets knocked around on the plane before you even get in the water.

What to do? You don't want to waterlog your favorite board.

The best thing to do is to take your own traveling surfboard repair kit with you. Try Solarez. This stuff will save your board and vacation.

This little beauty heals in the sun, won't discolor your surfboard, and won't kill you with fumes. Sand the damaged area thoroughly first so that the Solarez can form a strong bond to your board. You apply it in the shade, stick your surfboard out in the sun for 3 minutes, and bam! You're back in the barrel. This product starts to cure in just 30 seconds.

If the foam got wet, this is just a simple way to save your surf session. You'll need to remove the Solarez and let the board dry out to make a permanent repair.

[Click Here for Solarez Ding Repair](#)

RASHGUARD/WETSUIT

The need for a wetsuit or rashguard will depend on you and where you live.

Obviously if you live where the water is cold, or at least you think it is, you will need a wetsuit. The thickness and style will depend on your body and tolerance of cold temps.

We carry a variety of wetsuit products for a number of different applications. Colder climates often require wetsuit booties, gloves or hoods to help insulate your body through the winter months. Surfers who travel to tropical surf locations where the wave breaks over shallow reef will find that short, lightweight booties will protect their feet from sharp corral.

Rash guards are used for 2 reasons: to protect from UV and prevent skin damage. If you are a fair skinned individual then a rash guard would be appropriate for you. The other reason people use them is to prevent skin rash from laying on the surfboard. If you have sensitive skin then you might want to try one.

[Click here to see our selection of Wetsuits and Rash Guards](#)

TRACTION PADS

Traction pads or deck pads are common place for shorter surfboards. They allow the surfer to maintain a higher level of control by placing extra grip at the tail of the surfboard (where most of your turning comes from). If you are getting a shorter surfboard or a hybrid of some sort then a pad is appropriate. They'll also help with foot placement, giving a reference point to where your back foot should be. This can really help a surfer that is moving down from a longboard, where foot placement isn't as crucial, to something more agile and capable of a higher level of turning and control.

Although traction is primarily used on shorter boards it can also be used on longboards if desired, it's just not as common. Surf traction pads come in a huge variety of colors, but they are basically all made from the same non-slip, water resistant components. The bumps, curves, grooves, and contours found on the traction pads all come down to personal taste and comfort.

[Click here to see Traction Pads](#)

SURF RACKS

If you will be driving to and from the beach, surf racks will be necessary if you don't have a truck or room inside your car. You can get soft or hard surf racks for almost any vehicle. Most are removable and strap on using the door jams, tail gate, or existing racks.

Surf racks help secure a surfboard so that it isn't damaged by shifting around while being transported. They also allow you to carry a number of boards on the roof of your vehicle so there's plenty of room inside for your buddies to join you in the water.

[Click Here for Surfboard Racks](#)

SURFBOARDS - THE NEXT LEVEL OF UNDERSTANDING

WIDTH

The width of your surfboard is a little subjective. It depends greatly on the style of surfboard you're going to get. Get a longboard and it will probably be in the 23" range, get a shortboard and it could be in the 19" range.

A couple of things to consider-

Although this seems like a simple topic, you need to make sure that the board is not too wide for you. The rider should be able to paddle comfortably along the rails without being obstructed. If it's too wide, the surfer won't get enough pull out of their stroke and won't gain much ground. To add, if it is too wide, getting your board to the water is going to be a hassle, and you are more likely to drop it if you lose control.

The other side of this coin is getting a board that's too narrow. This is typically a performance preference, meaning the more performance shape of surfboard you have, the narrower it could be. Too narrow and the stability of your board will be greatly affected.

THICKNESS

Almost all boards are between 2" and 4" thick. Most the time, unless you are a unique body type (heavy or really light), the thickness is going to be predetermined by the shaper and dictated by the style. Unless you've been surfing for many years, and know what the right fit is for you, don't change the thickness.

NOSE SHAPES

Nose shapes are pretty straight forward. Typically the wider and rounder the nose the easier it is to paddle into waves and get your board to plane (like a longboard). The more pointed your nose is the more maneuverable your surfboard will be (like a shortboard). There are variations in nose shape but as a general guide, this is how they work.

TAIL SHAPES

SQUASH OR SQUARE

A squash or square tail is probably the most common and universal tail shape available. It will provide you with good stability while still maintaining a high level of maneuverability. It is the tail found on our longboards and both of our shortboard templates making them versatile boards to handle down the face of almost any wave.

ROUNDED PIN

Rounded pin tails sit deeper in water and are designed for a little more control and hold. This is best used for pocket surfing when having the most rail contact is crucial.

FISH OR SWALLOW

The fish or swallow tail, is sort of a combo tail as it will combine the hold of a pin tail with some of the maneuverability features of the squash. You will find these tails on a fair number of hybrid boards when you are trying to combine elements of different types. It will also help smooth out your ride when the waves get rough.

The design of the tail provides planing speed and lift down the line while also allowing rail to rail transitions to be made with ease. This tail is great for small waves and surfers looking for hold during wide and deep carves.

FIN SETUPS

THRUSTER (CLASSIC 3 FIN)

The thruster fin setup, used on most surfboards under 8ft, uses a rear and two side fins. Thruster fins will provide great drive, hold, and maneuverability. If you don't know what to get... get a thruster.

QUAD

One of the biggest transitions amongst the pros is the move from the traditional thruster to quad fin. This is due to the responsive feel and incredible drive down the line on smaller waves. If you're looking for a loose, drivey board, then give a quad setup a shot.

2+1

With a long center fin and two little "side bite" fins the 2+1 is the standard these days for most modern longboards. The long center fin gives you good control while the side fins provide a little better hold and stability during rail to rail maneuvering.

SINGLE

A single fin can be a challenge the first few times out but the feel is unparalleled in the longboard world. Long wide carves and style that brings the surfer and wave together in a way no other set up can match. Old school surfboards will forever be known for the classic glide and superb rail to rail response of the single fin setup.

CONCAVES

SINGLE

As you may have guessed from the name, this design features just the one concave running down the middle of the surfboard from the nose towards the tail. The single concave is best suited for big clean waves.

The single concave will enable tighter turns on the waves. The single concave is best suited to the surfer who isn't carrying any extra pounds.

VEE-TYPE

A Vee-Type can work really well with the retro fish, funboard or longboard designs. The extra width of the fish tail gives you heaps more speed on the smaller waves. Placing a V-type on the bottom allows the surfer to turn the board from rail to rail smoother. This makes the surfboard much looser. A win-win situation, speed and loose turns on small waves.

NOSE

The nose concave is used when walking to the front of your board is what you're after. It is a spooned out concave on just the nose that provides extra lift so that your weight out front is stabilized.

SINGLE TO DOUBLE

Combo concaves are more and more common. Single to Double is the most used combination. This combo will provide good glide and stability while the double concave at the tail forces the water off the tail and on to the fins increasing maneuverability. For a concave with the most universal feature set go with the single to double.

FLAT OR NO REFERENCE OR UNKNOWN

Be very care of surfboards that have a flat bottom or no reference to what type of concave it has. If you were to get a board with a flat bottom, the way the water flows underneath the board is very unpredictable and causes great instability, lousy hold, and a sloppy feel. Buyers beware if you don't know what it has.

PRESSURE DENTS AND MORE - THE “HOWS” AND “WHYS”

So you've been surfing your new board the past couple weeks and load it in your car and you notice some dents on the deck. WHAT THE HECK!? We all know the feeling but don't fret, pressure dents (even big ones) are normal to see even on epoxy boards.

Pressure dents on the deck are caused by a few things. As their name describes, the constant pressure that your feet and knees produce onto the top of the board compresses the foam over time. Many times people worry that this means the board is of lower quality or that it's going to affect performance but this just is not the case. You can buy a \$900 board that will dent on the first session out (ask the pros).

If you surf, you WILL damage your board. Some of us have broken new boards on the first day! An elbow can crack a rail. Going over the falls can add an unwanted nose job. A knee can expose a stringer. A shallow duckdive can dislodge a fin box. Many times it's not even while surfing (a doorknob or seatbelt buckle). Sometimes damage just magically appears (aka the phantom ding). There are even cases where the lip of a wave crashing just right results in a snapped board. Bottom line, if you want to keep your board in perfect condition, hang it on the wall and try something else. SURFBOARDS WILL DING.

SO WHAT ARE THE SOLUTIONS?

The answer is easy, don't surf. Sounds intense but unfortunately pressure dents are just part of the game of surfing. Especially as you learn, we all go through the growing pains getting to our knees first before standing or falling on top of the board. While our boards are definitely strong they are not indestructible.

Your only other option is more resin. A thicker glass job is stronger and will resist pressure denting, however, more glass equals more weight. More weight means a heavier, less maneuverable board. The balance is a delicate one. We've done our best to balance high performance and durability.

WHY NOT MAKE SURFBOARDS INDESTRUCTIBLE?

Performance, performance, performance... While you may not notice it at first even our standard epoxy has more flex than some other companies who make the “bullet-proof” epoxy boards. These “bullet-proof” boards are great for travel, however they are not always the greatest to surf especially for those who really want to progress. With that said, our boards are still extremely tough- it's one of the benefits of all epoxy boards in general. Again, we've found a great balance between performance and durability.

SUMMARY

Hopefully we have given you enough information to set you on the right track. We certainly have covered the most common issues and topics on surfboards. We hope you will take this info and make the best educated decision you can now. If you have any issue, questions, or topics that we didn't cover here please give us a call or send us an email and we will help you out.

ONE FINAL REQUEST...

We have provided all this information to you free of cost and the only thing we ask in return is that you give us a shot at earning your business. Give us a ring and let us get you set up with the perfect surfboard to take you to the next level.

[CLICK HERE TO START SHOPPING FOR THE PERFECT SURFBOARD](#)

Thanks for reading.
Cheers,

The Degree33 Team



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