

EXTERIOR

Rubio[®]
MONOCOAT
THE POWER OF ONE

DuroGrit

Tomorrow's UV protection
for your outdoors



Colour: Foxy Brown
Wood type: Thermo Ayous



Perfect for outdoor wood projects where UV protection and durability are crucial.



DuroGrit

Tomorrow's UV protection for your outdoors

DuroGrit is a sustainable, wood fiber fortified and water-soluble oil that colours and protects all exterior wood in 1 single layer. The FibreGrit Technology, where added wood fibers give the oil its unique structure, provides the perfect combination between a saturating and a breathable monocoat system.

Thanks to this technology, the product does not only have an incredible and long-lasting UV protection compared to other exterior wood finishing products, but it's also extremely durable and resistant.



PATENTED FIBREGRIT TECHNOLOGY

- ✓ Cutting-edge wood finish
- ✓ Innovation that includes cellulose wood fibres resulting in the most durable wood protection
- ✓ Ecological & safe to use (0% VOC)



TOUGH MECHANICAL PROTECTION

- ✓ Water and dirt repellent
- ✓ Open pores prevent cracking and peeling off
- ✓ Lasts longer with less maintenance and less worries



PROVEN 1-LAYER TECHNOLOGY

- ✓ One application (no pre-treatment needed) reduces time, packaging and transport
- ✓ Breathing and saturating monocoat system
- ✓ Results in a lower price per m², saving you time & money



FOR ALL EXTERIOR WOOD

- ✓ Suitable for all wood species and types
 - > Pine, iroko, teak, ...
 - > Decking, siding, cladding, furniture, ...
- ✓ Only one product needed for all applications
- ✓ Natural colours and classy, earthy tones
- ✓ Residential & public use (playgrounds, terraces, fencing, ...)



TOMORROW'S UV RESISTANCE

- ✓ Your wood gets the best UV protection
- ✓ FibreGrit Technology allows for significantly more UV blockers
- ✓ High quality projects with a prolonged natural look and no greying surfaces

Colour Chart - 14 colours

	PINE	DOUGLAS	LARCH	IROKO	TEAK	THERMO PINE	IPÉ	CUMARU
NO TREATMENT								
THE GREAT PLAINS COLLECTION								
GRASSLAND BEIGE								
ROCKY UMBER								
FOXY BROWN								
STEPPE LOOK								
BISON BROWN								
CHARRED BLACK								
SADDLE BLACK								
THE SALT LAKES COLLECTION								
SUTTON GREY								
ATACAMA GREY								
TUZ WHITE								
UTAH PINK								
SALINAS BLUE								
SALT LAKE GREEN								
RUBIO MONOCOAT GREEN								

! **DISCLAIMER:** for technical reasons these colour/wood type combinations are not recommended.
♥ Our recommendation for a natural look.

Colours with Quality

For the colour range of the DuroGrit we focused on a **natural look for your wood**. We developed long-lasting natural colours that **look perfect on various wood species**. Of course, a few eye-catching colours could not be missing from the range either.

What's **unique** about the DuroGrit colours is **the combination of the natural look with the extreme UV resistance**. Typically, wood oils that offer such UV protection give the wood a covering and plastic-like look, which often peels off with time on a lot of wood types. Usually, this type of strong UV resistance also requires two layers, while the DuroGrit is sufficient in **just one layer**.

The intense colours really **bring** the treated

wood **to life**. This is possible thanks to three major factors. First of all, we use pigments for the natural colours chosen specifically to get the best look possible. Secondly, the structure of oil in water gives a real **depth** to the colours. Last but not least, the unique **FibreGrit Technology** allows the colours to be both transparent and to be highly performing in terms of UV resistance.

Since our DuroGrit is such an **ecological product**, the **names of the colours were all inspired by nature**. Our natural colours reminded us of the **prairies** and the Great Plains and our vibrant colours call to mind **salt lakes** all over the world such as the Salinas Grandes, Great Salt Lake and Tuz Gölü.



Best practices

- *Grassland Beige* is the natural look for pine, douglas, larch & teak.
Rocky Umber is the natural look for thermo pine & cumaru.
Foxy Brown is the natural look for iroko & ipé.
- The colours shown are for reference only and are not binding.
- The pigment present in the various DuroGrit colours helps protect the wood from greying.
- * **PLEASE NOTE:** Although DuroGrit offers state-of-the-art UV protection, the result still depends on the chosen colour and wood type. As a rule of thumb, the darker the colour, the better the durability. Some wood types, especially thermally modified wood, are extremely sensitive to colour change due to exposure to UV light. For these wood types we recommend using a dark colour.
- We advise to use the white and pastel colours on softwood only.
- To determine the desired colour, always do a small test first with one of our samples on identically sanded and prepared wood.



Colour: Saddle Black
Wood type: Pine

Tomorrow's UV resistance

We don't just say our UV resistance is superior to the market, we also prove it. The wood samples below are results of extensive QUV tests in our laboratory according to the norm EN 927-6. A QUV test is an **accelerated weathering tester** and rapidly simulates the damage caused by sunlight, rain and dew. This way, in just a matter of weeks, we can reproduce what the damage would be in several years of outdoor exposure.



The colour **Foxy Brown** on **pine** tested for UV protection after 5 years against an alternative product using a two-layer system.

The colour **Foxy Brown** on **teak** tested for UV protection after 5 years against an alternative product using a two-layer system.

The colour **Grassland Beige** on **pine** tested for UV protection after 5 years against an alternative product using a two-layer system.

The colour **Grassland Beige** on **teak** tested for UV protection after 5 years against an alternative product using a two-layer system.

We treated the left half of the wooden board with a DuroGrit colour in one layer and the right half with an alternative product using a two-layer system. As you can see, we selected similar colours to our own to show the result as faithfully as possible. We then put the boards into the QUV machine, simulating the results after 5 years of exterior exposure.

The two squares in the middle show where the QUV machine was active. On the left and right sides of the squares, you can still see the original colour of the wood protection.

The results clearly show that the DuroGrit colours are better preserved than those of the alternative product.



Table renovation
Colour: Grassland Beige
Wood type: Teak

Tough mechanical resistance

To make sure our products are wear resistant, we test them in our laboratory. We did some scrub tests for DuroGrit and compared the results with alternative products.

The left half of the wooden boards were treated with DuroGrit, the right half with an alternative product. Part of the board was placed under a small brush which moved back and forth 600 times. This wears off the protection and shows how mechanically resistant DuroGrit is against alternative products on the market. **As you can see, DuroGrit offers excellent mechanical resistance.**



The wooden sample **before the scrub test**. It was treated with DuroGrit colour Charred Black on the left and an alternative product with a similar colour on the right.

The result of the wooden sample **after the scrub test**. As you can see, the place where the brush moved over is very visible with the alternative product, while it's nearly non-existent with DuroGrit.



Colour: Bison Brown
Wood type: Afzelia

Patented **FibreGrit** Technology

Rubio Monocoat has always been an **innovative** player on the market. With our new **patented FibreGrit Technology**, we are once again proving our relevance in the wood protection sector. DuroGrit consists partly of **long cellulose fibres from wood itself**. These fibres are **water-repellent, very strong and hard**. This means that they **make your coating harder**, strengthening the wear resistance and making the product **suitable for terraces, garden furniture, etc.**

In addition, these fibres form a **grid to hold the UV stabilisers**. This allows us to add more

UV stabilisers, resulting in **much better UV resistance**. The larger amount of UV blockers and the protection this provides are revolutionary.

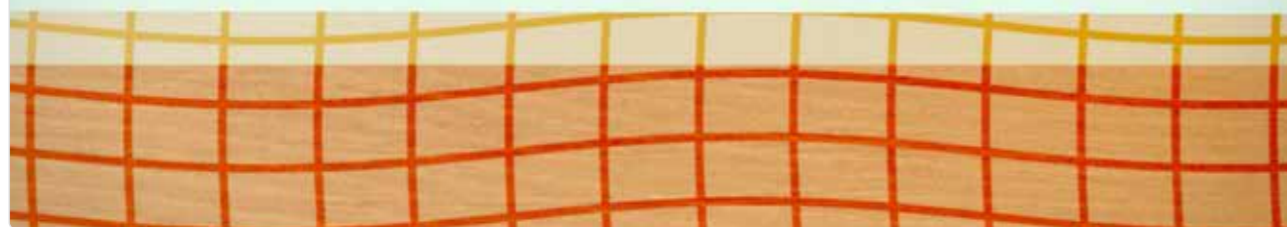
As a nice bonus, the texture of the product ensures that it **won't drip on application**, thanks to the extra fibres in the product.

Thanks to this unique technology we can offer a product with a **natural look on wood that is extremely durable**. It provides a very good protection from UV light, while still being a very ecological product. **Rubio Monocoat's DuroGrit really is tomorrow's durable UV protection for your outdoors.**

DuroGrit can be applied in one single layer.



The product consists partly of long cellulose wood fibres.



These fibres form a grid which holds a large amount of UV stabilisers.



PRODUCT INFORMATION



Drying time	1 to 3h
Curing time	3 days at 20°C (68°F)
Application Information	All vertical and horizontal wooden surfaces outdoors (e.g. terraces, cladding, garden furniture, ...)
Estimated coverage	8 to 15 m ² /liter *
Working temperature	10 - 30 °C (50 - 86°F)
Wood moisture content	Min 12% - Max 18%
Cleaning of tools	Brushes and tools can be cleaned with water after use
Packaging	Can: 30 ml - 500 ml - 1 L - 2,5 L - 5 L

* Consumption depends on the type of wood, weathering and preparation. Old wood, wood that has been left untreated outdoors or grooved wood often absorbs more product. Therefore, always purchase slightly more product than for the recommended liter per m². You can use the leftover to maintain and touch up the surface with the same product.

TOOLS



You will get the best results with DuroGrit when you apply the product with a **soft, synthetic brush made for water-based products**.

Choose a brush that not only absorbs a lot of product, but also gives it back to the wood efficiently. This will allow you to work very quickly.

We recommend working with a tool made up of synthetic hairs from different fibres and lengths. Ideally, it combines stiff hairs with soft ones. This results in an efficient and firm brush that also offers the finesse of a fine brush which doesn't leave any marks.

Lastly, make sure you chose one with an ergonomic grip. For large surfaces it is also easier if you can fit the brush onto a stick.



DUROGRIT APPLICATION IN 7 SIMPLE STEPS



Preparation

→ ON NEW WOOD

Allow already installed new wood or wood containing natural wood extractives (oak, red cedar, afzelia, redwood, ...) and especially hardwood (ipé, teak, merbau, ...) to weather outdoors for about 4-6 weeks. This will allow the water-soluble substances to come out of the wood and will allow the wood to absorb the DuroGrit better. When this is not possible, sand the wood scratch-free with a screen 80 grit to open the wood pores.

→ IN CASE OF RENOVATION ON OLDER NON-RUBIO MONOCOAT PRODUCTS

Remove all residues of old applications by sanding the surface scratch-free. End with a screen 80 grit, do not sand smoother. The smoother you sand, the less product can penetrate in the wood and the less intense the colour (and protection) will be.



STEP 1 - 4

Clean the surface with Exterior Wood Cleaner and let it dry

First wet the wooden surface with a fine mist of water.

Clean the surface with Exterior Wood Cleaner and a stiff bristled nylon scrubbing brush (wear gloves and eye protection).

Do not allow the solution to dry and thoroughly rinse off the cleaning solution residue with clean water until all foaming residue is rinsed away.

Allow the surface to dry completely.



STEP 5 - 6

Apply DuroGrit

Stir the product a few minutes before use.

Apply the product evenly to the surface with a soft, synthetic brush made for water-based products. Work in the direction of the wood installation, always covering the full length. For vertically installed boards, this means from top to bottom and for horizontally installed wood from left to right (or vice versa). So never stop in the middle of a board but only at a natural break (e.g. a seam, edge, staircase, etc.).

Work in small sections of about 1 or 2 boards wide. Always apply sufficient product and brush again afterwards to avoid start/stop and brush marks (remember not to exert too much pressure on the brush). *Tip:* Maintain a wet edge to avoid overlaps.



STEP 7

Let it dry for 3 hours

Complete curing takes place after 3 days (at 20°C). Keep in mind that low temperatures, low ventilation and high humidity significantly slow down the drying and curing process.



DUROGRIT TIPS & TRICKS



- ✓ Is your wood too dirty to start sanding right away? Then first clean it with either water or Exterior Wood Cleaner (see application). By already removing a lot of dirt beforehand, your sandpaper won't get clogged up right away when sanding.
- ✓ Only work in frost-free and dry conditions and avoid application of DuroGrit when rain is expected within 10 hours of application. Avoid direct sunlight on the surface during application.
- ✓ Errors created during application (start marks, brush marks, overlaps, ...) can be touched up on the wet surface up to 15 minutes after application (depending on the weather conditions). Apply a little extra DuroGrit on the mark. Put some pressure on your brush so the product that has already been applied dissolves and mixes with the new one. Finally smooth out until you no longer have brush marks.
- ✓ In case of rough/weathered wood, highly absorbent woods or for terrace application, you can add up to maximum 20% water to the DuroGrit for a better spreadability of the product.
- ✓ Tape off first and work between the grooves. Tape off anything that should not be treated, splashed, smeared or spilled on, including anything sensitive to overlaps.

DUROGRIT MAINTENANCE



→ CLEANING INSTRUCTIONS

Regular cleaning can be done with Exterior Soap (Ecospray). Do not use any other cleaning products or detergents as these might affect the protection!

→ MAINTENANCE INSTRUCTIONS

In general, we recommend a yearly visual check-up just after winter season.

Please check for the presence of the following two points:

- ✓ Dirt & green deposits; clean with low pressure water and a soft brush or use Exterior Soap (consult Technical Data Sheet before use)
- ✓ Fading of colours*

* If necessary apply a maintenance coat according to the instructions. The frequency of maintenance depends on the weather conditions, exposure, geographical situation, solar orientation, wood type (softwood vs hardwood) and colour. In normal weather conditions:

- ✓ Vertical surfaces every 3-5 years
- ✓ Horizontal surfaces up to 2 years

Colour: Rocky Umber
Wood type: Pine



Colour: Foxy Brown
Wood type: Thermo Ayous

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Front & back cover images: © Rubio Monocoat
Front colour & wood type: Rocky Umber on Pine
Back colour & wood type: Bison Brown on Afzelia

