

UK MANUFACTURED UK COMPLIANT BUNDED DRUM & IBC STORAGE

SPILL PALLETS - SPILL FLOORING - SECURE DRUM & IBC STORES
COMPOUNDS - CHEMSTOR® - UK SPEC FIRE RATED STORES



EMPTEEZY® - EEZY COMPLIANT STORAGE

EMPTEEZY® MANUFACTURING GROUP



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QUESTIONS TO ASK YOURSELF BEFORE YOU PURCHASE



What liquids are you storing?

It's important to determine what all the liquids you have on site are and whether there are any compatibility, fire/explosion or vapour release risks associated with any of them. The SDS (Safety Data Sheet) for each product is an excellent source of information relating to this.



How many litres of each liquid are you storing and in what sort of containers?

Determining the volumes (litres) of liquid and in what sort of containers they are stored; small bottles, 205ltr drums, 1000ltr IBC etc. is key to ensuring you have the right storage facilities and it will also help you understand your spill response needs.



Will you be storing any of the liquids indoors?

You need to consider access issues including; will the storage unit fit through the doors that give access to the room you want to use. Also don't forget to check the practicality of loading and unloading the unit and if there is a spill where the liquid flows to.



Will you be storing any of the liquids outdoors?

When positioning a storage unit you should consider factors such as; spills accessing drains and or watercourses, traffic access to load and unload the store and the proximity of passing vehicles.



Are any of the liquids flammable?

If the answer is yes then you must ensure your stores are either located the appropriate distance from occupied buildings, boundaries, process units, flammable liquid storage tanks and or sources of ignition.

- Up to 1000ltrs must be 2 metres away
- 1000ltrs to 100,000ltrs must be 4 metres
- Above 100,000ltrs must be 7.5 metres away

If you can't achieve the appropriate distance you must use a storage unit that is fire rated to meet UK specifications. See our advice centre for more details.

ARE YOU STORING YOUR LIQUIDS CORRECTLY?

The incorrect storage or poor management of liquids can have far reaching consequences for your business and the environment and although The Oil Storage Regulations are amongst some of the most highly publicised regulation currently in force it's all too easy to forget that all liquids pose a potential threat to health, safety and the environment if not properly handled and stored. Remember you are responsible for all the liquids on your site and you can be prosecuted for a pollution incident that originates on your site even if it was caused by vandals.

It's relatively straight forward to ensure that you are protected by using products specifically designed for the task, such as rotationally moulded polyethylene spill pallets for indoor applications, bunded drum & IBC stores with fully seam welded sumps for secure outdoor use and double skinned storage tanks for bulk liquids.

It goes without saying that your storage containers (bunded stores, spill pallets etc) must be designed with environmental protection in mind. This means that the bund of any storage units or spill pallets must be able to contain at least 110% of the volume of the largest container or 25% of the total volume stored, whichever is greater and you must check that they are made of a material that is compatible with the liquid you are storing. Don't forget to consider how you protect the drums or IBCs when they are being moved around the site, bunded trolleys or mobile spill pallets are ideal but remember to properly secure the load before setting off.

Don't forget areas where you have smaller amounts of liquids such as laboratories, test rigs, workshops or vehicles. The same rules apply but you may only require a laboratory cabinet (Flammable liquids must be held in a fire-proof steel cabinet, the current legal requirement in the UK is a single skinned cabinet) to store the liquids in.

Remember to consider segregation issues when storing different liquids together and ensure that the cabinet is secured to the floor and/or wall to prevent it toppling over. Avoid the temptation to store liquids directly on the floor, even on a temporary basis, and always avoid storing above eye-height, or on top of cupboards or cabinets and wear/use PPE (Personal Protective Equipment) as appropriate at all times.



DRUM SPILL PALLETS

A range of robust galvanised steel spill pallets, ideal for a wide range of applications including areas with high temperatures and where there is a need to constantly load and unload the pallet. Galvanised pallets are a practice and cost effective solution when a plastic spill pallet is not robust enough and as you would expect all versions are fully compliant with UK regulations regarding sump capacities.



BG2U



BG4U

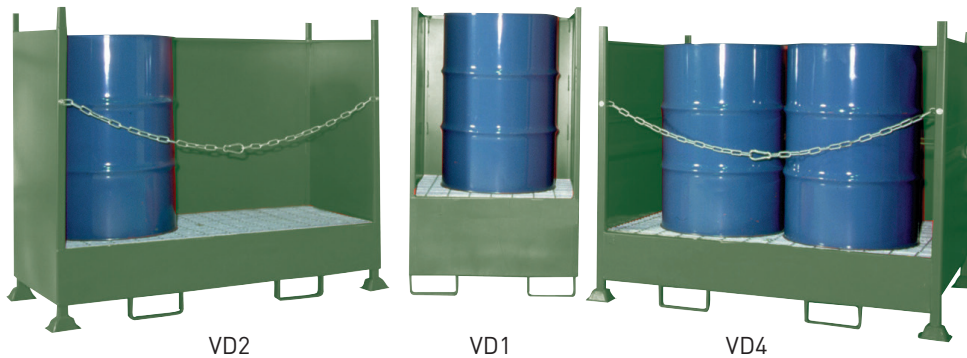
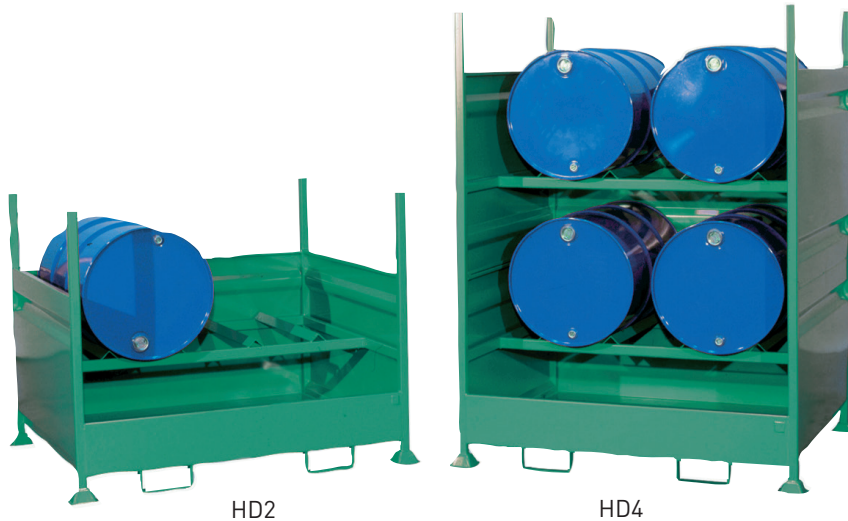


BG9UD

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
BG2U	1220 x 815 x 330 (including fork hoops)	225.5	Galvanised steel - 2 x 205ltr
BG4U	1220 x 1220 x 406 (including fork hoops)	440	Galvanised steel - 4 x 205ltr
BG9UD	2540 x 1220 x 465 (including fork hoops)	1100	Galvanised steel - 8 x 205ltr

SEMI ENCLOSED DRUM SPILL PALLETES

These spill pallets give the options of vertical or horizontal storage for 1, 2 or 4 x 205ltr drums and the HD range can be fitted with an optional sliding carriage (see SLC) which makes loading and unloading a much easier task.



CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
HD1	1300 x 880 x 1220	225	Painted steel - metal deck - 1 x 205ltr horizontal
HD2	1580 x 1320 x 1220	270	Painted steel - metal deck - 2 x 205ltr horizontal
HD4	1580 x 1320 x 2020	370	Painted steel - metal deck - 4 x 205ltr horizontal
SLC	1000 x 490 x 100	n/a	Sliding access cradle for use with HD range
VD1	800 x 800 x 1375	225	Painted steel - metal deck - 1 x 205ltr
VD2	1580 x 830 x 1300	90	Painted steel - metal deck - 2 x 205ltr
VD4	1580 x 1320 x 1300	370	Painted steel - metal deck - 4 x 205ltr

IBC SPILL PALLETS

For use with standard footprint 1000ltr IBC (Intermediate Bulk Container) including IBC2 which is designed for use in areas with restricted floor space. This unique double IBC spill pallet incorporates drainage from the top deck to the main sump via the hollow RHS support frame. These robust spill pallets are ideal for areas where you are constantly loading and unloading the spill pallet or where there are compatibility issues with our plastic rotationally moulded versions.



BG1100U



BG9U



IBC2

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
BG1100U	1220 x 1220 x 865 (including fork hoops)	1100	Galvanised steel - 1 x 1000ltr
BG9U	2540 x 1220 x 465 (including fork hoops)	1100	Galvanised steel - 2 x 1000ltr
IBC2	1400 x 1640 x 2480	1125	Painted steel - 2 x 1000ltr

SPILL FLOORING

Spill flooring can be used as individual, stand-a-long items or by combining multiple sections you can create a bespoke fully bunded work floor and work in the safe knowledge that any spills will be full contained. These products are robust and are designed to withstand constant use.



SFRAMP

SF20 & SF30

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
SF10	1050 x 1050 x 110	110	Painted steel - metal deck
SF20	2300 x 1050 x 110	230	Painted steel - metal deck
SF30	2800 x 1300 x 110	300	Painted steel - metal deck
SFRAMP	1000 x 500 x 110	n/a	Painted steel - ramp for use with SF range

SECURE BUNDED DRUM STORAGE

For the safe and compliant storage of 2 to 8 x 205ltr drums, these banded storage units allow you to control access to expensive products and reduce the risk of spilt or leaking liquids contributing to health & safety or environmental issues.



DS8S



DS2P



DS4S

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
HD2D	1500 x 1250 x 1470	370	Painted steel - 2 x 205ltr - horizontal
VD4D	1500 x 1250 x 1470	370	Painted steel - 4 x 205ltr
DS4S	1500 x 1500 x 2114	420	Painted steel - 4 x 205ltr + shelf
DS2P	1460 x 1460 x 2769	450	Painted steel - 8 x 205ltr
DS8S	3000 x 1500 x 1723	1125	Painted steel - 8 x 205ltr

SECURE BUNDED DRUM & IBC STORAGE

Ensuring your liquids are correctly and securely stored is an important consideration and should be researched fully before committing to a purchase, and with that in mind we offer a confidential, free of charge and without onus to buy, site assessment service where we will review your needs with you and supply you with a written recommendation to ensure you are fully compliant with current regulations.



DS8SE



IB1DS

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
DS8SE	3000 x 1500 x 2450	1125	Painted steel - 8 x 205ltr
DS12S	3000 x 1500 x 2450	1125	Painted steel - 8 x 205ltr
DS32R	5920 x 1500 x 3086	2200	Painted steel - roller doors - 32 x 205ltr
IB1DS	1500 x 1400 x 2414	1470	Painted steel - 1 x 1000ltr
IB2DS	3000 x 1500 x 2450	1125	Painted steel - 2 x 1000ltr

SECURE BUNDED DRUM & IBC STORAGE

These models have been designed to allow you to store 205ltr drums, 1000ltr IBC or a combination of both in the same units. We have also considered access as we understand this can sometimes be a limiting factor, and to that end we offer units fitted with access on both sides or via a push-back loading/unloading system that allows double depth storage with access from one side only.



DPU16-4



DPU32-8

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
DPU16-4	3000 x 1500 x 3295	1125	Painted steel - 16 x 205ltr or 4 x 1000ltr
DPU32-8	5920 x 1500 x 3295	2200	Painted steel - 32 x 205ltr or 8 x 1000ltr
DPU48-12	8840 x 1500 x 3295	3300	Painted steel - 48 x 205ltr or 12 x 1000ltr
DPU64-16	5920 x 2800 x 3330	4100	Painted steel - 64 x 205ltr or 16 x 1000ltr
DPU64-16PB	5920 x 2800 x 3680	6100	Painted steel - 64 x 205ltr or 16 x 1000ltr

SECURE BUNDED DRUM & IBC STORAGE

Our CBS1 & CBS2 units combine fork lift truck accessed storage with walk-in fully bunded areas that allow you to store and work in a secure environment. If you still don't see exactly what you are looking for please do not hesitate to contact us and as the manufacturer we will be happy to work with you to ensure you get the right product for your specific application.



CBS1



DPU96-24

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
DPU96-24	8840 x 2800 x 3330	6100	Painted steel - 96 x 205ltr or 24 x 1000ltr
DPU96-24PB	8840 x 2800 x 3680	6100	Painted steel - 96 x 205ltr or 24 x 1000ltr
CBS1	6000 x 3000 x 3357	4500	Painted steel - 16 x 205ltr + walk-in area
CBS2	6000 x 3000 x 3357	4400	Painted steel - 32 x 205ltr + walk-in area

DRUM & IBC COMPOUNDS

When you want to store all your liquids in one defined area our drum & IBC compounds can prove to be a cost effective solution when costed against a purpose built civil engineering solution. Our experienced staff will work with you to establish the right solution and then provide you with a detailed, no obligation quotation to compare against.



CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
DC64	8760 x 6100 x 4800	3780	Painted steel - 64 x 205ltr
DC96	8760 x 7500 x 4800	5670	Painted steel - 96 x 205ltr
DC160	11360 x 7500 x 4800	7560	Painted steel - 160 x 205ltr

TEMPERATURE CONTROLLED DRUM & IBC STORES

Many liquids require storage at a specific temperature prior to use and our range of fully bunded and compliant stores can be configured in a host of different ways to meet your specific requirements. Options include electrical (standard or ATEX zoned), steam heating, refrigeration and \pm temperature controlled units where both heating and cooling is required. Please contact us to arrange a no obligation appointment to discuss your requirements.



\pm TEMPERATURE CONTROL



INSULATED



REFRIGERATED



HEATED

DRY GOODS STORAGE

If you run out of internal weather protected storage space our Rackstor could provide the solution, this secure unit has been designed to accommodate up to 12 pallets on adjustable racking with access via double sliding doors which provide easy fork lift truck access. No planning permission or special foundations, just a solid level surface, ideally concrete of circa 150mm in depth and 100mm bigger overall than the unit to ensure the unit does not settle unevenly when loaded.



CODE	L x W x H - mm	DESCRIPTION
RS6M	5920 x 1500 x 3352	Metal clad frame - 8 x 1200 x 1000 or 12 x 1000 x 800 pallets

DRUM TROLLEYS

A simple range of drum trolleys that includes three fully bunded versions that allow you to move drums from location to location in the safe knowledge that the contents are protected. The ST2F comes complete with a dispensing frame fitted with rollers to allow the drum to be rotated easily.



ST2



ST1



ST2F

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
ST1	800 x 800 x 1050	240	Painted steel - metal deck - 1 x 205ltr
ST2	1400 x 750 x 1050	250	Painted steel - metal deck - 2 x 205ltr
ST2F	1400 x 750 x 1050	250	Painted steel - metal deck - 1 x 205ltr on cradle
DTRW	610 x 420 x 1520	270	Painted steel - 1 x 205ltr

CHEMSTOR[®] CABINETS

Designed for the safe storage of smaller containers indoors, these fully bunded units help you manage stock and control who can access the contents. All three versions have robust steel frames with welded steel panels to provide additional strength. Dependent on the model access is via double sliding, or double hinged lockable doors.



CS4



CS5

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
CS5	1500 x 750 x 1633	260	Painted steel - 25 x 25ltr
CS4	2500 x 800 x 2350	450	Painted steel - 48 x 25ltr
CS3	3000 x 1500 x 2450	1125	Painted steel - 80 x 25ltr

CHEMSTOR[®] PREMIUM

Our premium walk-in stores are covered by a 20 year structural guarantee and come complete with racking which sits above the fully sumped floor making it a safe, controlled environment in which to store and decant liquids. As standard each unit has single door access which is secured with a cam-lock closing system, as used on shipping containers (padlock not provided).



CS1



CS2

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
CS1	2160 x 2160 x 2658	650	Painted steel - 72 x 25ltr
CS2	3000 x 2440 x 2658	1098	Painted steel - 72 x 25ltr
CS6	5920 x 2440 x 2658	2196	Painted steel - 108 x 25ltr

Note: Model CS2 has more floor space between the shelves than model CS1

CHEMSTOR® ECONOMY

Our economy walk-in stores are fitted with double hinged doors, which in turn are fitted with air vents and the sump area is covered with galvanised grid mesh. These units are not fitted with any racking instead it's offered as an optional extra.



BW03-D11-100E



BW04-D11-100E

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
BW03-D11-100E	3110 x 2400 x 2420 plus 50mm for feet	890	Painted steel - double doors
BW04-D11-100E	4180 x 2400 x 2420 plus 50mm for feet	1200	Painted steel - double doors
BW06-D11-100E	6090 x 2400 x 2420 plus 50mm for feet	2 x 875	Painted steel - double doors

SHELFPACK

Shelving pack for use with BW03 D11 100E, BW04 D11 100E & BW06 D11 100E

The pack consists of:

- 3 x uprights with incremental slots
- 6 x slot-in shelf arms
- 4 x galvanised mesh shelves (915 x 500mm)
- Fixing brackets
- UDL: 250kg per shelf

STORING FLAMMABLE LIQUIDS

When storing flammable liquids there are strict adherences concerning separation distances that the flammable liquids **must be** stored from; occupied buildings, boundaries, process units, flammable liquid storage tanks and or sources of ignition.

If you can achieve the relevant distance you can use a standard single skinned, fully banded storage unit to hold your flammable liquids. If you can't achieve the relevant distance the storage unit needs to be constructed to provide a minimum of 30 minutes fire resistance to comply with **UK legislation**.

Volume of liquid separation distances:

- Up to 1000ltr - 2 metres
- 1000ltr to 100,000ltr - 4 metres
- Above 100,000ltr - 7.7 metres

Some questions you should consider:

Is there good natural air movement in and around where the flammable substances are stored and used?

If not you may have to consider mechanical air changes. Good ventilation will mean that any vapours given off from a spill, leak, or release will be rapidly dispersed.

Have all the obvious ignition sources been removed from the storage and handling areas?

You need to think outside the box as an ignition source can be very varied; sparks from electrical equipment, welding or cutting tools, hot surfaces, open flames, static charge etc.

An explosion can even be caused by the simple action of decanting a flammable liquid from one container to another if they have not been earthed.

If there is a spill will it be contained and prevented from spreading?

Consider what will happen if the liquid is spilled when it is outside the banded storage unit.

Can you replace a flammable substance for a less flammable one, or can you eliminate it from the process completely?

Processes and products evolve, check with your supplier to see if they have non-flammable alternative or can help you redesign your process to make it safer.

Are your flammable substances stored and used in a different area to other processes?

By separating them you will lessen the risk of an incident and improve workplace safety.

Flammable liquids should be stored separately from other dangerous substances that may enhance the risk of fire or compromise the integrity of the storage unit, for example; oxidizers and corrosive materials should be stored separately from each other. Remember other dangerous substances may also be flammable in their own right however, it is still inappropriate to store them with other flammable liquids.

For further guidance on energetic and spontaneously combustible substances please consult HS (G) 131 published by the HSE.

In the event of an incident the objective is to ensure that people can safely escape from the working area and in this context, the purpose of storing dangerous substances in the appropriate storage unit is to provide a physical barrier to delay the involvement of the stored liquids in any fire and provide sufficient time for people's safe evacuation and the immediate implementation of emergency procedures.

It's important not to overlook any aspect associated with the safe handling of flammable liquids such as static discharge during filling / decanting, combustion due to excessive heat build-up, potential ignition sources such as a spark from a tool or electrical component and pressure build-up in a container.

Please remember to consult with your insurance provider and local authority fire brigade as they will have valuable input that could save you time and money going forward.

UK SPEC FIRE RATED WALK-IN STORES

Our fire rated stores have a 1 hour fire rating which has been independently tested by Bodycote Warrington (Warringtonfire Global Safety) to ensure compliance to BS EN 1634-1: 2000. We offer two standard sizes of walk-in store but as the manufacturer we are able to work with you to produce other sizes to suit your specific application.



CS6FR

CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
CS2FR	3000 x 2440 x 2658	1080	Painted insulated steel - 72 x 25ltr
CS6FR	5920 x 2440 x 2658	2196	Painted insulated steel - 108 x 25ltr

UK SPEC FIRE RATED FORK LIFT TRUCK ACCESS STORES

These fork lift truck access fire rated models have a 1 hour fire rating and have also been independently tested by Bodycote Warrington (Warringtonfire Global Safety) to ensure compliance to BS EN 1634-1: 2000. Please contact us if the standard sizes shown don't meet your requirements, we offer a no obligation, confidential site assessment service to ensure you get the right products for your specific application.



DPU32-8FR

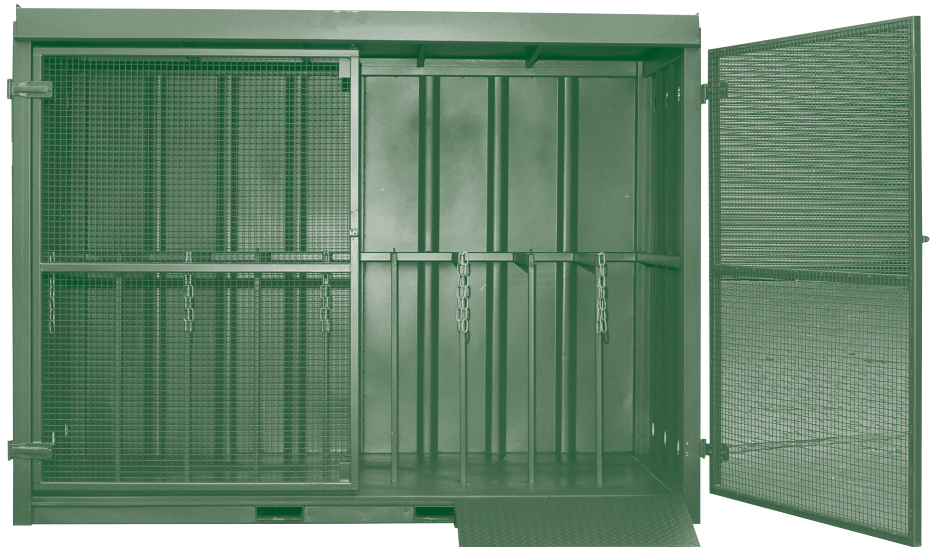
CODE	L x W x H - mm	CAPACITY - ltr	DESCRIPTION
DPU16-4FR	3000 x 1500 x 3295	1125	Painted insulated steel - 16 x 205ltr or 4 x 1000ltr
DPU32-8FR	5920 x 1500 x 3295	2100	Painted insulated steel - 32 x 205ltr or 8 x 1000ltr

GAS CYLINDER STORAGE

When storing gas cylinders consideration must be given to gas compatibility (incompatible gases must never be stored together) and the location of the store. Factors such as ignition sources and ease of access should also be considered along with ensuring that the storage unit provides good all round ventilation and secure locations to stop cylinders falling over.



CT2



GB30

CODE	L x W x H - mm	DESCRIPTION
CT1	1280 x 780 x 920	Painted steel - open - 8 x 285mmØ
CT2	1280 x 780 x 2200	Painted steel - enclosed - 8 x 285mmØ
CT2LP	1280 x 780 x 2200	Painted steel - enclosed - 6 x 11kg per level
GB30	3000 x 1500 x 2177	Painted steel - enclosed - 27 x 285mmØ

Empteezy® is the home of quality engineered drum/IBC bunded storage units, waste handling skips, absorbents & spill kits, safety showers & tank showers and flammable liquid safety products. Our overriding aim is to help you comply with legislation and implement best practice in connection with your oil and chemical storage needs, spill response programs, including spill kits & spill kit training, emergency safety shower and tank shower applications and waste handling projects.

With our products tailored to meet the requirements of a variety of different working environments including industrial, commercial, military, marine and educational setting, we manufacture in excess of 70% of the products available in our portfolio in our own factories, making us well placed to provide you with expert advice on how our products can help you meet UK, EU and International Standards relating to spill containment and spill control of hazardous liquids.

Customer satisfaction is of paramount importance to us which is why we aim to provide a complete service and develop long term relations and we will always work with you to resolve any issues that are encountered in a timely and professional manner.

Empteezy® is the only company within the spill control and spill containment sector to be accredited to ISO 9001, ISO 14001 & ISO 18001 International Standards and uses the vast array of experience it has amassed over the years to provide practical advice over the phone or by email, regular blogs on industry related topics, a web based advice centre and free of charge confidential site assessments with detailed follow-up reports.

For general enquiries or if you need detailed information regarding a specific application please don't hesitate to contact us on:

Tel: 01506 430 309

Email: advice@empteezy.co.uk

Web: www.empteezy.co.uk

We are here to help you

EMPTEEZY® MANUFACTURING GROUP

