

FLOORCOTE W440

WATER BASED 2PK EPOXY FLOOR COATING



A multipurpose, water based epoxy floor coating that produces a tough, hard wearing gloss finish, that is based on a solvent free epoxy system. This system is available as a smooth or anti-slip option and has excellent resistance to chemicals, water, oils, greases and mechanical abrasion. Typical examples of where W440 can be used are in factories, theme parks, stadiums and many other commercial environments.

FEATURES AND BENEFITS

- Water based epoxy system - low odour
- Use as full gloss or anti slip - reduce accidents
- Suitable for vehicles and fork lifts - hard wearing
- Approved for fire resistance and indoor air quality
- Adheres to concrete, steel and ceramic tiles
- Easy, simple application



CONTACT US TO FIND OUT MORE OR BOOK A DEMONSTRATION WITH OUR TECHNICAL EXPERTS.

CALL FREE: 0808 118 1922

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PREPARATION:

SURFACE PREPARATION:

Previously painted floors - As with all coating applications, suitable pre-treatment of the floor is of the utmost importance. Old paint, especially with suspect adhesion or of an unknown type, should be completely removed. It is always...advisable to check for suitability and defects by undertaking small-scale trials. If the old paint is satisfactory, clean and abrade the surface in the normal way. Heavily contaminated floors - FloorCote W440 will not adhere satisfactorily to heavy deposits of grease, oils etc. It will be necessary to mechanically abrade the floor to remove the excess contamination.

New floors/uncoated surfaces - For most surfaces, two coats should be sufficient. The first coat should be thinned 10% with water to act as a sealer. This should be followed by one or two coats of FloorCote (unthinned). It is important to allow sufficient drying between the coats.

Concrete - Should be clean, dry and free from dust, dirt, grease and other contaminants etc. Do not apply to newly laid concrete. Surfaces to be coated should be at least 4 weeks old and have a moisture content of less than 7%.

Please note that any smooth/polished surface will require special preparation; please call or email pictures of your specific situation and we will advise on recommended preparation procedure.

MIXING:

3.33 litre Part A Base to 1.66 litre Part B Activator.

MIXING INSTRUCTIONS:

Add Part B to Part A and mix thoroughly for approx. 5 mins using a mechanical stirrer. After mixing, leave for a 5 minute induction time before application. For anti-slip surfaces, add the slip resistant additive to the above mixture and ensure the grit is evenly dispersed throughout the mix. The anti-slip mixture need only be used on the final coat of paint.

POT LIFE:

2 hours when mixed. The times stated show effective life, however material stays liquid much longer but does not perform satisfactorily. Do not use after stated times. The pot life will be significantly reduced where the mixed paint is used at higher ambient temperatures.

APPLICATION:

Best results are obtained in warm (minimum 10°C and rising), dry conditions with a good through draught. Apply using a brush and/or long pile, double arm roller. On bare concrete floors it is recommended that the first coat be diluted with up to 10% water by volume prior to application. This will help seal the concrete surface. Once dried, a second coat can be applied at full strength. On previously painted floors it is recommended that two thin coats be applied rather than one thick coat. This will prolong the life and performance of the coating.

For application onto asphalt, wood, vinyl and other non porous floors, two coats are recommended without the first coat being thinned down. Product will darken slightly during curing and should not be over rolled. To avoid variation in shades always roll in the same direction across the whole area the product is being applied.

TECHNICAL:

COVERAGE: Approx 8m² per litre per coat. Normally 2 coats are required.

VOC Content (when mixed):	max 50g per litre
Volume Solids:	48%
Mass Solids:	48 %
Flash Point:	n/a

CERTIFICATION:

Dry:	70 - Extremely low slip potential
Dry (slip resistant additive):	75 - Extremely low slip potential
Wet:	15 - High slip potential
Wet (slip resistant additive):	70 - Extremely low slip potential

(Results obtained using BS7976 Four S Pendulum Test)
NB: For areas that may become wet or are subject to liquid spills that could result in a potential slipping hazard, we recommend the addition of slip resistant, additive to the product.

FILM THICKNESS:

125 microns WFT, 60 microns DFT
Can be measured using **Meon Wet Film Thickness Gauge**.

CURING:

Surface Dry:	8-12 hours
Hard Dry:	24 hours
Overcoat:	After 24 hours

Foot traffic can be allowed on the coated area after 24 hours. Heavier traffic can be allowed on the coated area after 4 days with full cure achieved after 7 days. Keep coated areas dry for a minimum of 24 hours following application.

Technical data @ 15°C and 65% relative humidity.

Temperatures: The drying and curing process will slow down at low temperatures and stop altogether whenever it falls below 10°C.

Do not apply when ambient temperature falls below 10°C or relative humidity exceeds 80%.

Chemical Resistance: 7-10 days should be allowed before being exposed to chemicals, pollutants and mechanical stress.

AFTERCARE AND MAINTENANCE

Application equipment should be washed immediately after use with **Meon UltraClean W990** before the product starts to cure.

STORAGE AND PACKAGING:

STORAGE CONDITIONS:

Storage area should be dry, protected from direct sunlight and extremes of temperature - i.e. between 5°C & 20°C.

SHELF LIFE:

12 months when stored under cover, in original unopened containers, in accordance with Storage Condition guidelines listed above.

SIZES AVAILABLE:

5 litre kit.

HEALTH AND SAFETY:

Familiarise yourself with the material safety data sheets before using this product. Please call our technical team on **023 9220 0606**.

MEON UK

+44 (0)23 9220 0606
MAIL@MEONUK.COM
MEONUK.COM

MEON IRELAND

+353 (0)1 840 7647
INFO@MEONIRELAND.COM
MEON.IE



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