

WATER BASED EPOXY COATING

Product Codes

TF12 Packaging listed overleaf

Description

Water Based Epoxy Coating is a two-part water dispersed epoxy resin product consisting of an epoxy base resin component and a water pigmented dispersed hardener component. The product is available in a range of British Standard colours.

The product may be applied by brush or lambs wool roller to provide a decorative coating, which is easily cleaned. The applied coating will protect concrete and is resistant to the penetration of oils and greases. The two part water dispersed product is pre-packaged ready for on site mixing. Water Based Epoxy Coating may be used in conjunction with Epoxy Floor Coating and non-slip grains to form a slip resistant surfacing.

Uses include: Floor and wall coatings for kitchens and other food processing areas.
Warehouse and storage areas.
Light industrial factory areas to give resistance to foot and light vehicular traffic.

Specification Outline

Floor and wall coating shall be carried out using Water Based Epoxy Coating as manufactured by Tecroc Products Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Typical Coating Properties @ 20°C

Useable Life	2 Hours
Mixed Viscosity	1300 mPas Typical gloss paint 1200 mPas
Dry Film Thickness	100 microns in two coats

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

Instructions For Use

Preparation

All contact surfaces must be sound, clean, dry and provide a "light" mechanical key. Remove all loose material, paint, plaster and oily deposits. For best results, light grit blasting is recommended.

Water Based Epoxy Coating is applied in two coats to give a dry film thickness of 100 microns. At this thickness it is necessary to provide a fine textured substrate to avoid a non-even appearance to the surface finish.

Priming

No special priming is required.

Mixing

Pre-mix each of the two components individually. The Water Based Epoxy Coating hardener component is supplied in a container which is large enough to receive the base resin component and act as the mixing vessel. Pour all of the base resin component into the hardener container and mix using a slow speed high torque drill with a Grout Stirrer. Mixing should be continued for two minutes to achieve a uniform consistency and colour. **Do not attempt part pack mixing**

Application

Apply the Water Based Epoxy Coating in two coats. The use of a brush for the first coat is recommended. For the second coat the use of a brush or a short pile simulated lambs wool roller is satisfactory. The second coat may be applied as soon as the first coat has completely dried, typically 18 to 36 hours. Each coat should be applied as a thin continuous film. Ponding must be avoided as the thickness will entrap water and prevent proper curing.



Grouts

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ProductsConstruction
AdhesivesResin Et
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AnchorsHighway
Products

Coatings



Waterproofing

Ground
Engineering

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Holly Lane Industrial Estate
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Web site: www.tecroc.co.uk

E-mail: enquiries@tecroc.co.uk

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Instructions For Use

Application

All tools and equipment should be washed with water. Hardened Water Based Epoxy Coating may only be removed mechanically.

Water Based Epoxy Coating may be applied at temperatures between 10°C and 35°C. For applications outside this range contact the Technical Service Department.

The ambient relative humidity must be below 85% at all times during the curing period. When working in enclosed areas it is important to create sufficient air flow to maintain the humidity below this value.

Curing

Typical curing times at 20°C

Touch dry	8 Hours
Overcoat	18 to 36 Hours
Foot traffic	36 to 72 Hours
Heavy traffic	4 Days
Full cure	7 Days

PRECAUTIONS

Health and Safety

Epoxy Floor Coating is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately.

Full health and safety data are given in Product Safety Data Sheet.

Fire

Water Based Epoxy Coating is non-flammable

Yield

Epoxy Floor Coating is supplied in 5.0 kg combined units. From each unit the yield is approximately 4.4 litres of mixed material. Coverage of 7 – 9 m² per litre per coat.

STORAGE AND SHELF LIFE

Water Based Epoxy Coating will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 35°C. Storage at higher temperatures may reduce the shelf life. Store where protected from frost.

Packaging And Ordering

Water Based Epoxy Coating is supplied in:
5.0kg combined units Product Code TF12
For further information and sales please contact your local Tecroc Products office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.



Grouts



Structural Support Mortars



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Coatings



Waterproofing



Ground Engineering

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