

EPOCOTE ULTRA

ULTRA-CHEMICAL RESISTANT COATING

DESCRIPTION

EPOCOTE ULTRA is a fast curing solvent free epoxy coating with outstanding resistance to a wide range of aggressive chemicals. It is suitable for application to concrete, masonry and steel substrates. It is supplied as a two-component product, consisting of a base component and curing agent component, the two components are supplied in pre-weighed quantities for site mixing.

USES

EPOCOTE ULTRA is suitable for use as a lining for concrete or metal tanks which are used for storage of chemicals, is also suitable for chemical bunds and other areas which are highly susceptible to chemical attack.

ADVANTAGES

- Excellent resistance to many aggressive chemicals.
- Solvent free.
- Extremely durable and abrasion resistant.
- Good adhesion to concrete and steel.
- Easily cleaned.

Property	Value
Colour	Grey (Any RAL colour can be mixed)
Adhesive Bond to Concrete	15 MPa
Adhesive Bond to Steel	13 MPa
Tack Free Time	5 hrs @ 20°C
Hard Dry Time	10 hrs @ 20°C
Full Chemical Resistance	6 Days @ 20°C
Application Temperature	5°C to 30°C
Service Temperature	-10°C to 60°C

PROCEDURE

Surface Preparation: Correct surface preparation is paramount to the success of the applied coating. Concrete and masonry surfaces should be sound, clean and free from dust, surface laitance, grease, hydrocarbons and other deleterious materials. It is important to prepare the surface by mechanical means, such as vacuum grit blasting and diamond grinding to ensure the complete removal of any contaminants and to provide an adequate key for the coating. The moisture of new concrete substrates should be less than 6% RH. Imperfections in the substrate should be repaired using a suitable PREMCRETE REPAIR PRODUCT. Steel surfaces should be grit blasted to a nominal SA 2.5 Swedish standard. Steel substrates should be primed immediately once preparation has finished to decrease the chance of flush rusting.

Priming: Porous substrates, may require the use of a primer, EPOPRIME W should be applied to the prepared surface in accordance with the appropriate datasheet. If the floor does not have a suitable damp-proof membrane, then EPOPRIME DPM should be used as the primer to provide suitable resistance to ground moisture.

Mixing: The contents of the curing agent component should be poured into the base component tin and mixed thoroughly using a slow speed drill and paddle mixer until a homogeneous mix is achieved, which is uniform in colour and consistency. Special care should be taken to ensure that packs are not part mixed.

Application: EPOCOTE ULTRA should be applied using a suitable brush, roller or airless spray equipment at a rate of 0.5 Kg per M2 on large horizontal areas that maybe beneficial to pour the mixed material evenly onto the substrate to increase the pot life of the coating. After a minimum of 6hrs at 20°C but within 24hrs a second coat of EPOCOTE ULTRA should be applied at the same nominal rate. If the maximum overcoating time limit is exceeded, the first coat must be abraded and solvent wiped prior to application of the second coat.



Product code: 07286 Revision date: 24/1/23

If a sealed non-slip finish is required, then quartz aggregate should be broadcast into the first coat before removing excess aggregate and then application of the second coat. If the coating is to be overlaid with a cementitious screed, then a quartz aggregate should be broadcast into the freshly applied coating to provide an effective key.

Curing: EPOCOTE ULTRA should be allowed to cure for a minimum of 10 hrs before allowing foot traffic, and a minimum of 36 hrs at 20°C for allowing vehicular traffic. Allow 6 days at 20°C for full chemical cure.

Equipment Cleaning: Tools and equipment should be cleaned immediately using PREMCRETE CLEANING SOLVENT.

PACKAGING & COVERAGE

Pack Size: EPOCOTE ULTRA is supplied in 5kg and 15kg packs.

Coverage: EPOCOTE ULTRA should be applied at a rate of 0.5 Kg per M2 per coat. 1 x 5Kg pack will cover approximately 5 M2 with the recommended two coat treatment.

STORAGE & SHELF LIFE

EPOCOTE ULTRA should be stored in clean, dry conditions at temperatures between 10°C and 30°C. When stored in unopened containers, EPOCOTE ULTRA will have a shelf life of 12 months.

HEALTH & SAFETY

See separate material safety datasheet