



MultiPrime EP Two Component Epoxy Resin Based Primer

Description:

MultiPrime EP is a solvent free, two component, high build epoxy primer designed to penetrate into porous substrates such as concrete, screeds and masonry, to improve the bonding for other Multitech epoxy repair, flooring & coating products, but can also act as a cost effective, solvent free, clear sealer coat in low trafficked areas. MultiPrime EP is also suitable as a primer on steel surface to improve bonding of other coatings such as polyurethanes and polyurea. With an extended over coat window it can also be used to hold the blast profile.

Characteristics:

- Excellent Adhesion to concrete and cementitious screeds
- Excellent water resistant when cured.
- Fast setting and no wastage.
- Low viscosity to ensure the largest primer penetration.
- Easy to use – simple roller application.

Uses:

MultiPrime EP is typically used as a primer for many of the Multi Poxy Putty, Multifloor FC 100 & Multicoat range of products, but can also be used as a basic stand alone coating for concrete floors subject to light traffic, abrasion or chemical attack such as shops, warehouses, plant & mechanical rooms and workshops etc.

Surface Preparation:

Concrete

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate. New concrete or screed should be fully cured with a maximum residual relative humidity (RH) of 75%. Prepare concrete surfaces preferably by mechanical methods such as grinding to remove laitance, curing compounds and other loose materials to provide a mechanical key for MultiPrime EP.

Steel

All steel surfaces to be coated should be abrasive blasted using a suitable blast medium to produce a minimum cleanliness of Swedish Standard SA 2.5 or equivalent and a minimum 60 microns angular profile. Remove all residual blast debris and inspect the surface. Profile checks should be taken and recorded. Once blast cleaned, the surface must be degreased and cleaned using Multiclean and all prepared surfaces must be coated before rusting or oxidation occur. Where abrasive blast cleaning is not possible the surface should be roughened by MBX, needle gun or grinding. Under these condition adhesion levels will not be optimal although still satisfactory for most applications.

Technical Data

Properties	Test Standards
Solids content	: 100%
Pot life @ 20°C	: 30 min
Working time @ 20°C	: 1 – 2 h
Initial hardness	: 24 h
Volume shrinkage	: 0.4%
Full cure	: 7 days

Mixing:

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product. Thoroughly mix both parts of MultiPrime EP together in full, using a slow speed drill and paddle for at least 4 – 5 minutes until a homogenous consistency is achieved.

Do Not Under Any Circumstances Part Mix Materials.

Application Method :

We recommend checking the substrate before commencing works to ensure it is at least 3°C above dew point. Apply MultiPrime EP using a brush or roller to the prepared surface at a theoretical coverage rate of 5-6 m² per litre. Allow the primer to become tack free. A second priming coat may be required if the substrate is particularly porous. Re-prime if the primer coat has not been over coated within 24 hours. Dust and surface contamination must be removed prior to applying subsequent products. If using as a stand alone finish, a minimum of 2 coats of MultiPrime EP are recommended.

Cleaning :

Clean tools and equipment immediately after use with Multicleaner.

Storage :

For application above 40°C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment. Avoid exposure of materials to direct sunlight. Keep equipment that will be in contact with the product cool and away from direct sunlight. Avoid application during the hottest time of day.





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Packaging:

MultiPrime EP pack size: 20 litre kits. Coverage rate approximately 5-6 m² per litre per coat at 200 microns.

Shelf Life :

MultiPrime EP has a maximum shelf life of 12 months from the date of manufacture. To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C. Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.

Limitations:

Substrate temperatures should be above 5°C and rising. For application in temperatures above 40°C please refer to hot weather condition recommendations. Avoid application if the work area may be subject to the onset of rain or moving water. All products should be used within the pot life. Materials not used within the specified time should be discarded. The product should not be thinned with any type of solvent under any circumstances. If the above general application details do not meet with your requirements, please contact Corrotech for a project specific method statement.

Disclaimer:

The information supplied in our literature or given by our employees is based upon extensive experience and together with that supplied by our agents or distributors, is given in good faith in order to help our customers. Our company policy is one of continuous research and development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work. We accept no liability for any loss or damage which may arise as a result thereof.

Health & Safety:

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes. Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting. Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces. Do not expose products to fire or naked flames under any circumstances.

