

Expanprime*

Epoxy resin primer sealer

Uses

Expanprime an epoxy resin solvent containing primer sealer to be use on cementitious or metal surfaces prior to the top coat of any epoxy coating system such **Expacote** or **Expanfloor** range of product.

Advantages

- Penetrate into the cementitious substrate and stabilize the surface
- Hold the loose particles of cementitious surface
- Provides excellent protection to the metal surface against corrosion
- Low viscosity allow better penetration
- Provides excellent bond between host substrate and next coat

Available Grades

Expanprime is available in two grades

Expanprime 25: Design for cementitious surfaces

Expanprime 28: Design for metal surface

Description

Expanprime 25 & 28 are two-component solvent containing epoxy resin primer, supplied in pre-weight tin packing, just mix and apply on well prepared surface.

Design criteria

The primer coat shall be **Expanprime 25** or **28** applied on well prepared surface in one or two coats depend on surface conditions or as directed by the engineer, **Expanprime** penetrate into the cementitious surface to stabilize the substrate for next application, and also provide excellent protection to the metal surface against corrosion.

Properties

Minimum application temperature	: 5°C
Pot life @ 20 °C	: 3 hours
Pot life @ 35 °C	: 2 hours
Initial set @ 30 °C	: 4 hours
Final set @ 30 °C	: 8 hours

Instructions for use

Preparation

All surfaces to receive the primer coat must be free from oil, laitance, grease, wax, dirt or any other form of foreign material which might affect in adhesion. Concrete surfaces can be clean mechanically or manually with wire brush, metal surface also required proper cleaning, in case of corrosion or scaling on metal surface, it must be sand or grit blast to remove the rust and to get a proper clean surface.

Mixing

Mix both components of **Expanprime** (Base & Hardener) individually prior to the mixing of both components together, poured entire quantity of base in a bucket then add entire quantity of hardener and mix both components manually or mechanically until a homogeneous mix is achieve, normally it takes 2 – 3 minutes.

Mix material should be used immediately or as early as possible, if the viscosity of mixed material getting thick do not apply the material or do not add any solvent to thin the material, mix material should be used within the specified pot life.

Apply mix material by standard paint brush, roller or airless spray, and allow to fully cure prior to the application of top coat.

Cleaning

Expanprime should be removed from tools and equipment with **Solvent 102** immediately after use. Hardened material can be removed mechanically.

Limitations

Expanprime should not be applied if the air or substrate temperature is greater than 45°C. This may reduce the pot life of the material and increase the viscosity of mixed material.

Expanprime should not be applied if the temperature of the substrate is below 5°C.

Expanprime should not be applied where there is a likelihood of exposure to frost within 12 hours of the application.

Expanprime should not be applied in windy conditions where early-age dust adhesion may occur, or where rain is likely within 4 - 6 hours of application

Technical support

Expanchem offers a technical support and services to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Estimating

Supply

Expanprime 25	: 1 & 2.50 Kg Pack
Expanprime 28	: 1 & 2.50 Kg Pack

Coverage

Expanprime 25	: 5 – 8 m ² / Kg. (Depend on surface porosity)
Expanprime 28	: 5 – 8 m ² / Kg.

Storage

Shelf life

Combined products have a shelf life of 12 months if kept in a dry store in the original, unopened packs.

Storage conditions

Store in cool, dry conditions, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperatures and/or high humidity conditions the shelf life will be reduced.

Precautions

Health and safety

Expanprime should not come in contact with the skin and eyes, or be swallowed. When using Solvent 102 ensure adequate ventilation and avoid inhalation of vapor. Some people are sensitive to resins, hardeners and solvent.

Wear suitable protective clothing, gloves and eye protection. The use of barrier creams provides additional skin protection. In case of contact with the skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – **do not** induce vomiting.

Fire

Expanprime 25 & 28 both contain solvent and are flammable, keep away from the source of ignition. For further information, refer to the product Material Safety Data Sheet.

***Denotes the trademark registered**

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