

# Expanprime\* PU

## Polyurethane resin primer sealer

### Uses

**Expanprime PU** a polyurethane resin solvent containing primer sealer to be use on cementitious or metal surfaces prior to the top coat of any polyurethane coating system such **Expancote** 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 PU** is available in two grades

**Expanprime PU9:** For cementitious surfaces

**Expanprime PU10:** For metal surface

### Description

**Expanprime PU 9 & PU10** are single component solvent containing polyurethane resin primer, supplied in pre-weight tin packing, just mix and apply on well prepared surface.

### Design criteria

The primer coat shall be **Expanprime PU9** or **PU10** applied on well prepared surface in one or two coats depend on surface conditions or as directed by the engineer, **Expanprime PU** penetrate into the cementitious surface to stabilize the substrate for next application, and also provide excellent protection to the metal surface against corrosion.

### Properties

<b>Minimum application temperature</b>	: 5°C
<b>Pot life @ 20 °C</b>	: 140 minutes
<b>Pot life @ 35 °C</b>	: 100 minutes
<b>Initial set @ 30 °C</b>	: 3 - 4 hours
<b>Final set @ 30 °C</b>	: 6 - 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

**Expanprime PU9 & PU10** are single component products, prior to the application shake tin properly.

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

Apply 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

<b>Expanprime PU9</b>	: 1, 2.50 & 5 Ltr. Tin
<b>Expanprime PU10</b>	: 1, 2.50 & 5 Ltr. Tin

### Coverage

<b>Expanprime PU9</b>	: 3 – 5 m <sup>2</sup> / Ltr. (Depend on surface porosity)
<b>Expanprime PU10</b>	: 5 – 8 m <sup>2</sup> / Ltr.

## Storage

### Shelf life

Combined products have a shelf life of 4 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 PU9 & PU10** 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**

## REGIONAL SALES OFFICES IN PAKISTAN:

### Fospak (Pvt) Ltd.

#### Head Office

702, Business Avenue,  
Block-6, PECHS.  
Shahra-e-Faisal,  
Karachi, Pakistan  
Tel # +92-21-34528477, 34529859  
Fax # +92-21-34522436  
Email [info.khi@fospak.com.pk](mailto:info.khi@fospak.com.pk)

#### Lahore Sales Office

2<sup>nd</sup> Floor Building # 45C,  
Block CCA,  
Phase 5, DHA,  
Lahore Cantt, Lahore.  
Cell 0322-4412113  
Cell 0322-2813526  
Email [info.lhr@fospak.com.pk](mailto:info.lhr@fospak.com.pk)

#### Islamabad Sales Office

Office # 3, Building # 6,  
Jinnah Boulevard,  
West Sector A, Near Gate # 1,  
DHA Phase 2, Islamabad  
Tel # +92-51-4720280  
Cell # 0322-5001903 - 04  
Email [info.isb@fospak.com.pk](mailto:info.isb@fospak.com.pk)

## Important note

Expanchem products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Expanchem endeavours to ensure that the technical information on this data sheet is correct at the time of printing, it is the customer's responsibility to satisfy himself, by checking with the company that this information is still current at the time of use, that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended. Because Expanchem has no control over the conditions of use of its products, all recommendations or suggestions regarding the use of these products are made without guarantee.