

FEATURES

Pre-Prime 168LTC is a rapid dry/quick cure 100% solids penetrating epoxy sealer. It has a very low viscosity which allows it to wick into and bond porous substrates and residual rust into a tough epoxy composite.

Advantages

- 100% solids penetrating sealer
- Low viscosity through out its pot life
- Rapid cure - even at temperatures as low as 4°C
- Easy application by brush roller or low atomisation spray

Limitations

- Short pot life:-

Pre-Prime 168LTC is highly reactive and has a short pot life of 90 minutes at 20°C. Unless large areas are to be covered in a short length of time only small amounts should be mixed at a time. A maximum mix of 1 litre is recommended.

RECOMMENDED USES

Pre-Prime 168LTC is designed for use as a surface conditioner for porous substrates.

However, **Pre-Prime 168LTC** should only be used where rapid cure is essential or for applications at low temperatures generally not suited to the use of Pre-Prime 167. Under normal conditions Pre-Prime 167 is recommended.

Pre-Prime 168LTC may be applied to a wide variety of porous substrates such as:

Residual rust

Degraded or new concrete

Fibre reinforced cement

Asbestos cement

*Thermal metal spray**

***Pre-Prime 168LTC** may be applied to most thermally sprayed metal coatings for certain specific service conditions. Specifiers are advised to contact Altex Coatings Technical Service for details before using Pre-Prime 168LTC in this type of service.

SPECIFICATION DATA

Coating Type:	100% Solids Epoxy
Colour:	
Base	Clear
Converter	Mid to Dark Amber
Packaging:	4 litre Two component kits
Mix Ratio:	1 to 1 by volume
Flash Point:	43°C Setflash
Thinner:	1/2 Thinner (<u>Clean up only</u>)
Pot Life:	90 minutes at 20°C This product will exotherm, with a 2 litre mix temperature rising to 47°C over 90 minutes (ambient 20°C). Material should be disposed of and equipment flushed out as soon as the temperature reaches 50°C.
Storage:	Store under cool, dry conditions

Density:	1.05 kg per mixed litre	
Solids (Mixed):	100% by volume	
Theoretical Coverage Rate:	25 sq metres per litre at 40 microns dry. Actual spreading rate will vary with the substrate porosity	
Recommended Film Thickness Per Coat:	40 microns dry	
Application:	Spray, brush or roller	
Dry Times (at 40 µm DFT / 50% RH):		
Temp	Recoat	Hard Dry
5°C	16 Hrs	36 Hrs
10°C	12 Hrs	24 Hrs
20°C	6 Hrs	12 Hrs

SURFACE PREPARATION

Pre-Prime 168LTC is designed for use where less than ideal surface preparation is attainable or where surfaces have inherent porosity or surface weakness. However, performance will be improved as surface preparation improves. All oil/grease contaminants, loose rust, loose scale, friable matter and unsecured old paint must be removed.

Best performance will be obtained by treating all surfaces with Devprep 88 Cleaner, followed by a high volume, low pressure water wash before applying Pre-Prime 168LTC. (Refer to Devprep 88 data sheet before use.)

Topcoats:

Pre-Prime 168LTC is normally topcoated with epoxy coatings such as Altra~Build 536® or Altra~Shield 2000®. Consult your Altex Coatings Representative for alternatives.

DIRECTIONS FOR USE

Mixing:

Pre-Prime 168LTC is a two component product supplied in 4 litre kits which contain the correct ratio of ingredients.

Add the converter portion to the base portion with continued agitation. After the converter addition is complete continue to mix slowly until homogeneous.

Pre-Prime 168LTC is highly reactive and has a short pot life of 90 minutes at 20°C. Higher temperatures will reduce the working life of the coating; lower temperatures will increase it.

Unless large areas are to be covered in a short length of time only small amounts should be mixed at a time. A maximum mix of 1 litre is recommended.

Thinning:

DO NOT THIN THIS MATERIAL.

Application:

Pre-Prime 168LTC can be applied by brush, roller and conventional spray equipment. Airless spray is not recommended. To minimise overspray, use low air pressure and pot pressure - 5 to 10 psi.

Pre-Prime 168LTC is low in viscosity. It should be applied in one thin wet coat, sufficient to completely cover and penetrate the surface. Do not apply in heavy coats. Clean up application equipment with 1/2 Thinner

Spreading Rate:

Theoretical spreading rate is 25 sq meters per litre at 40 microns DFT. However, actual rate will vary depending on the porosity of the substrate.

Dry Time:

Follow dry time guide on the front of this data sheet. Provide good, thorough ventilation. Pre-Prime 168LTC may be overcoated whilst still tacky once the minimum recoat time has been attained. For very porous substrates more than one coat Pre-Prime 168LTC may be required.

PRECAUTIONS

For industrial use only. See the Altex Coatings Limited General Safety Data Sheet, product label and Material Safety Data Sheet (MSDS) for health and safety information prior to use.

Pre-Prime 168LTC is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

ALTEX COATINGS LIMITED

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