



# Altra~Lock® 576

## Quick Cure Epoxy Sealer

Data Sheet

### FEATURES

**Altra~Lock® 576** 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 (see note below)
- Rapid cure - even at temperatures as low as 4°C
- Easy application by brush roller or low atomisation spray

### RECOMMENDED USES

**Altra~Lock® 576** is designed for use as a surface sealer, conditioner and strengthener for porous substrates.

**Altra~Lock® 576** may be applied to a wide variety of substrates such as:

- Residual rust*
- Degraded or new concrete*
- Fibre reinforced cement*
- Asbestos cement*
- Timbers*

#### Limitations

- Short pot life:-  
**Altra~Lock® 576** 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.
- Avoid excessive film thickness and / or ponding. Remove drips or puddles with clean rags.

### SPECIFICATION DATA

**Coating Type:** 100% Solids Epoxy

**Colour:**  
Base Clear  
Converter Mid to Dark Amber

**Packaging:** NZ: 4 litre only  
Aust: 2 & 4 litre  
Two component kits

**Mix Ratio:** 1 to 1 by volume

**Flash Point:** 43°C Setaflash

**Thinner:** Altex Thinner #12 (Clean up only)

**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

Altra-Lock<sup>®</sup> 576 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 Altex P40 Prepainting Cleaner, followed by a high volume, low pressure water wash before applying Altra-Lock<sup>®</sup> 576. (Refer to Altex P40 Prepainting Cleaner data sheet before use.)

### Topcoats:

Altra-Lock<sup>®</sup> 576 is normally topcoated with epoxy coatings such as Altra-Tar<sup>®</sup>, Carboguard<sup>®</sup> and Carbomastic<sup>®</sup>. Consult your Altex Coatings Representative for alternatives.

## DIRECTIONS FOR USE

### Mixing:

Altra-Lock<sup>®</sup> 576 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.

### Pot Life:

Altra-Lock<sup>®</sup> 576 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.

This product will exotherm. Do not mix more than 1 litre at a time.

### Application:

Altra-Lock<sup>®</sup> 576 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.

Altra-Lock<sup>®</sup> 576 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. Remove excess product, drips or puddles with clean rags.

### Thinning:

DO NOT THIN THIS MATERIAL.

### 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. Altra-Lock<sup>®</sup> 576 may be overcoated whilst still tacky once the minimum recoat time has been attained. For very porous substrates more than one coat Altra-Lock<sup>®</sup> 576 may be required.

### Clean-Up:

Use Altex Thinner #12 or #2 to clean equipment.

## PRECAUTIONS

For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label and the Material Safety Data Sheet (MSDS) for health and safety information prior to use.

**Altra-Lock<sup>®</sup> 576** 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.

## WWW.ALTEXCOATINGS.COM

**Head Office New Zealand**  
**Altex Coatings Ltd**  
91-111 Oropi Road  
Greerton, Tauranga 3112  
Ph : +64 7 541 1221  
Fax : +64 7 541 1310

**Head Office Australia**  
**Resene Paints (Aust) Ltd**  
**Industrial & Marine Division**  
7 Production Avenue, Molendinar  
Queensland 4214  
Ph : +61 7 5512 600  
Fax : +61 7 5512 697

### DISCLAIMER

The information in this datasheet is provided as a guide only and is provided without warranty, implied or otherwise. It is your responsibility to determine the suitability of any information or product for the use contemplated. Conditions of use, application and the substrate are beyond our control so no liability whatsoever (whether as to coverage, performance, injury or otherwise) is accepted for the information contained herein. Data sheets may change from time to time and it is your responsibility to ensure you have the latest product datasheet and material safety data sheet from your supplier. Check the data sheet date with the listings at [www.altexcoatings.com](http://www.altexcoatings.com). Altex Terms and Conditions of Trade, available at [www.altexcoatings.com](http://www.altexcoatings.com), apply in respect of all coating products and materials supplied, including samples.