

FEATURES

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: - Altra~Lock[®] 576 Sealer 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

Altra~Lock[®] 576 Sealer 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. Altra~Lock[®] 576 Sealer is designed for use as a surface conditioner for porous substrates.

However, Altra~Lock[®] 576 Sealer should only be used where rapid cure is essential or for applications at low temperatures generally not suited to the use of Altra~Lock[®] 576 Sealer.

Under normal conditions Altra~Lock[®] 576 Sealer is recommended.

Altra~Lock[®] 576 Sealer 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 *

* Altra~Lock[®] 576 Sealer 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 Altra~Lock[®] 576 Sealer in this type of service.

SPECIFICATION DATA

Coating Type:	100% Solids Epoxy
Colour:	Light Amber
Packaging:	2 litre and 4 litre
Mix Ratio:	1:1 by volume
Gloss:	Low sheen
Flash Point:	43 °C Setaflash
Thinner:	Do Not Thin
Pot Life:	90 minutes at 20 °C
Induction Time:	n/a
	These products 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.
Shelf Life:	Store under cool dry conditions

Density:	1.05 kg per litre			
VOC:				
Temperature Resistance:				
Volume solids (mixed):	100 %			
Theoretical Coverage Rate:	25 sq. metres per litre at 40 microns dry *			
Recommended Film Thickness Per Coat:	40 microns wet to obtain 40 microns dry			
Application:	Spray, Brush or Roller			
Dry Times (40µm DFT / 50% RH)				
Recoat – minimum:	5°C	15°C	25°C	30°C
Self	12 hrs	8 hrs	4 hrs	3 hrs
Epoxy	12 hrs	8 hrs	4 hrs	3 hrs
Recoat – maximum:	5°C	15°C	25°C	30°C
Self	72 hrs	72 hrs	72 hrs	48 hrs
Epoxy	72 hrs	72 hrs	72 hrs	48 hrs

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed in accordance with AS1627.1 solvent cleaning. Surface defects revealed by the preparation process, should be ground, filled, or treated in the appropriate manner. Clean to remove all grit dust and debris and ensure the surface is dry.

Rusty Steel and Weathered Rusty Galvanised Metal:

Altra-Lock[®] 576 Sealer is design for less than ideal surface preparation. Altra-Lock[®] 576 Sealer may still be over coated if after overnight curing it remains tacky. This will not affect the performance of the coating system. Altra-Lock[®] 576 Sealer may be substituted for Altra-Lock[®] 577 Sealer where a slower cure is required. Consult Altex Coatings prior to use.

Concrete surfaces: Concrete must cure for at least 28 days and not be greater than 10 pH. Acid etch with dilute hydrochloric acid solution (1 part concentrated acid to 10 parts water) to produce a uniformly roughened surface profile, followed by washing off with copious amounts of clean fresh water until the cleaning water is neutral to litmus paper. DO NOT allow etch solution to dry on the surface. Check for excessive moisture using the ASTM D-4263 "Plastic Sheet Method" test. Grinding or sweep blasted to remove all laitence may also be carried out.

Previously Painted Surfaces:

Clean with Devoe Devprep[®] 88. Remove all unsound coatings. Prepare all corroded and damaged paint areas in accordance with the preparation required for the applicable primer. Feather back edges to a sound clean existing coating. Matt all existing coating to provide a fine matt finish. Clean to remove all grit dust and debris and ensure the surface is dry. Apply a test patch to confirm compatibility with existing coating system. If lifting occurs remove to bare substrate.

DIRECTIONS FOR USE

Mixing:

Devoe Pre-Prime[™] 168 LTC is a two component product supplied in 2 litre and 4 litre kits, which contain the correct ratio of ingredients.

Power mix the base portion first to obtain a smooth homogeneous condition. After mixing the base portion, slowly add the converter whilst continuing to agitate at slow speed. After addition of the converter is complete, continue to mix slowly until homogeneous.

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.

Higher temperatures will reduce the working life of the coating; lower temperatures will increase it.

Thinning:

Do not thin this material.

Clean-up:

Use ½ thinner

Application:

Altra-Lock[®] 576 Sealer may be applied by brush, roller or conventional spray. Airless spray is not recommended. Altra-Lock[®] 576 Sealer is low in viscosity and should be applied in a thin wet coat sufficient to completely cover and penetrate the surface with a low air and pot pressure of 5 - 10 psi.

Additional coats may be required for porous surfaces.

Spreading Rate:

On absorbent surfaces, such as concrete, Altra-Lock[®] 576 Sealer spread rate may be reduced to 50% or more.

Safety within enclosed areas:

It is very important for the safety of the applicator and to ensure correct performance of the coatings, good ventilation is provided to all portions of the enclosed area.

It is equally important to bring into the enclosed area, dry fresh air to remove all solvent vapours. As solvent vapours are heavier than air, ventilation ducts should reach to the lowest portions of the enclosed area as well as into any structural pockets.

Ventilation should be maintained throughout the cure period.

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.

Altra-Lock[®] 576 Sealer 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.

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Phone: +64 7 5411 221 Fax: +64 7 5411 310 www.altexcoatings.co.nz				This is not a specification and all of the information is given in good faith. Since conditions of use are beyond the control of the manufacturer, information contained herein is without warranty, implied or otherwise, and final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of the user. The manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. For application in special conditions, consult the manufacturer for detailed recommendations.