

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Proprietary epoxy blend
<b>Description</b>	Encapsulation Sealer-15, a low VOC epoxy primer/sealer specifically designed to seal porous/ fibrous substrates. Not only is it user-friendly, but it also accepts a variety of commercial and decorative topcoats, allowing for versatile finishing options. This product offers enhanced durability with less requirements for surface preparation on encapsulating projects. Meeting ASTM 1494-12 standards, classifying it as a bridging encapsulant. Reliable performance to protect and preserve various surfaces effectively. Encapsulating fibre containing surfaces is a crucial step in the safe removal process by sealing off coated surfaces to mitigate the release of harmful fibres into the air, significantly reducing risks during removal, allowing professionals to work more efficiently.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Excellent wicking characteristics resulting in very good adhesion to a variety of substrates.</li> <li>• Surface tolerant during application and cure, enabling application over aged coatings and both single pack and two pack systems.</li> <li>• Very low VOC, less than 100 g/l.</li> <li>• Low odour - beneficial for compliance in many stringent locations.</li> <li>• Low temperature cure with Epoxy Accelerator down to 1.7°C.</li> <li>• Suitable for year round application.</li> <li>• Tolerates higher dry film thickness (DFT) range than typical porous surface sealers.</li> <li>• Translucent blue colour to easily identify coated surfaces.</li> </ul>
<b>Colour</b>	Translucent blue
<b>Finish</b>	Gloss
<b>Primer</b>	Self-priming. May be applied over most generic types of coatings.
<b>Dry Film Thickness</b>	25 - 75 microns
<b>Solids Content</b>	By Volume 90% +/- 1%
<b>Theoretical Coverage Rate</b>	<p>36 m<sup>2</sup> per litre at 25 microns dry            18 m<sup>2</sup> per litre at 50 microns dry            12 m<sup>2</sup> per litre at 75 microns dry            Actual coverage rate will vary depending on surface porosity.</p> <p>Allow for loss in mixing and application.</p>
<b>VOC Values</b>	<p><b>As Supplied</b> : 96 g/l EPA Method 24</p> <p>These are nominal values</p>
<b>Dry Temp. Resistance</b>	<p>Continuous: 79°C            Non-Continuous: 93°C</p>
<b>Topcoats</b>	<p>Waterborne acrylics, alkyds, epoxies, polyurethanes, polyaspartics, polysiloxanes, etc.</p> <p>Consult your Altex Sales Representative for specific recommendations.</p>
<b>Limitations</b>	<ul style="list-style-type: none"> <li>• Encapsulation Sealer-15 must be topcoated for exterior use within 30 days</li> <li>• Not recommended for immersion service</li> <li>• Not approved for Fireproofing materials</li> </ul>

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	<p><b>No instructions contained within this data sheet override Local Government / OHS regulations pertaining to the cleaning / coating or removal of asbestos. The contractor is responsible for ensuring full compliance with regulations.</b></p> <p>Surfaces must be clean and dry prior to painting.</p>
----------------	---

# Encapsulation Sealer-15

PRODUCT DATA SHEET



## SUBSTRATES & SURFACE PREPARATION

<b>ACM (Asbestos Containing Materials)</b>	Discuss requirements with Altex Technical Services.
<b>Porous or Cementitious Materials</b>	All visible lichen and moss are recommended to be treated with Resene Deep Clean and Resene Moss and Mould Killer as per data sheet instructions.

## MIXING & THINNING

<b>Mixing</b>	Power mix components separately at low speed to avoid whipping air into the product. Continue mixing until all solids are mixed into suspension. Scrape the sides of the container occasionally to ensure uniformity. Combine the two components together in the Part A container and continue mixing for 1-3 minutes until components are thoroughly mixed together with a uniform consistency. DO NOT MIX PARTIAL KITS.
<b>Thinning</b>	Thinning is not normally required. May be thinned up to 5% with Thinner #76 to help with atomisation when spraying. Use of thinners other than those recommended and supplied by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.
<b>Ratio</b>	2:1 by volume (Part A : Part B)
<b>Pot Life</b>	3 hours at 4°C *With Epoxy Accelerator 90 minutes at 21°C 70 minutes at 21°C *With Epoxy Accelerator 75 minutes at 32°C Pot life ends when material begins to thicken. *See the Curing Schedule.

## APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

<b>General</b>	This high solids product builds dry film thickness very fast. Thinning up to a maximum 5% with Thinner #76 will help with atomisation.
<b>Airless Spray</b>	Pump Ratio: 30:1 minimum* Volume Output: 30 litres/minute minimum Material Hose: 9.5 mm (3/8") I.D. minimum Tip Size: 0.011-0.015" recommended Output Pressure: 2,000-2,400 psi *PTFE packings are recommended and available from the equipment manufacturer.
<b>Brush &amp; Roller (General)</b>	Avoid excessive brushing or rolling. Apply enough material to uniformly wet out the surface and do not exceed maximum recommended dry film thickness. Adequately sealed substrate will exhibit a uniform sheen and will not absorb more sealer. Porous surfaces not fully sealed will exhibit a dry/patchy look.
<b>Brush</b>	A high quality bristle brush is recommended.
<b>Roller</b>	A high quality, shed resistant and solvent resistant medium nap roller cover is recommended.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	4°C	2°C	2°C	0%
Maximum	32°C	43°C	38°C	90%

This product requires the substrate temperature to be above the dew point. During high humidity conditions it is recommended that the application be done while temperatures are increasing. Condensation forming on uncured coating due to substrate temperatures below the dew point can cause amine blush to form. Amine blush must be removed by washing with clean potable water before top coating. Special application techniques may be required above or below normal application conditions.

## CURING SCHEDULE

Surface Temp.	Dry to Topcoat Minimum	*Minimum Dry to Topcoat with Epoxy Accelerator	Maximum Recoat Time Acrylics & Alkyds	Maximum Recoat Time Epoxies & Urethanes
2°C	NR	16 Hours	14 Days	30 Days
10°C	NR	10 Hours	14 Days	30 Days
16°C	11 Hours	5 Hours	14 Days	30 Days
21°C	6 Hours	5 Hours	14 Days	30 Days
32°C	4 Hours	NR	7 Days	15 Days
38°C	2¼ Hours	NR	5 Days	10 Days

Times are based on 50% relative humidity and 50 microns dry film thickness. Higher film thickness, insufficient ventilation and/or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure.

\*At temperatures below 21°C Altex Epoxy Accelerator can be added at a rate of 135 ml per mixed 9 litre kit of Part A and B to speed up the cure time.

## CLEANUP & SAFETY

<b>Cleanup</b>	Use Thinner #76, #2 or acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
<b>Safety</b>	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands, and all exposed areas.
<b>Ventilation</b>	When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapour concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to ensure all personnel are below local body guidelines. If not sure or if not able to monitor levels, use suitable approved respirator.
<b>Caution</b>	This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the relevant local electrical standards. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

## PACKAGING, HANDLING & STORAGE

<b>Packaging</b>	9 Litre Kit
<b>Shelf Life</b>	Part A: 24 months at 24°C Part B: 24 months at 24°C  *When kept at recommended storage conditions and in original unopened containers. For products/components outside of the stated shelf life, contact Technical Services for further advice.
<b>Storage Temperature &amp; Humidity</b>	4-43°C 0-90% Relative Humidity.

# Encapsulation Sealer-15

## PRODUCT DATA SHEET



---

### PACKAGING, HANDLING & STORAGE

---

**Flash Point (Setaflash)** | Part A: 63°C  
Part B: 71°C

**Shipping Weight (Approximate)** | 9 Litre Kit – 13.2 kg

**Storage** | Store under cool, dry conditions.

### WARRANTY

---

#### DISCLAIMER

The information in this data sheet 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 data sheet 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.