

SELECTION & SPECIFICATION DATA

Generic Type	Epoxy resin-based mortar
Description	A three component, solvent free high strength multi-purpose epoxy mortar. Commonly used as a subfloor for resinous toppings where a high strength thin section screed is required. Can be laid to falls and feathered down to a minimum thickness of 1mm, maximum thickness of 50mm (in one application)
Features	<ul style="list-style-type: none"> • Low VOC / High solids • Low odour and low taint • Durable, high strength abrasion and impact resistance • Solvent-free • Easy to apply by steel trowel • Excellent bond strength • Compressive strength: >45 N/mm²
Colour	Beige/Natural
Primer	Altra~Floor Primer
Dry Film Thickness	1 – 50mm
Solids Content	By weight 100%
Theoretical Coverage Rate	1.8kg/m ² at 1mm Allow for loss in mixing and application.
VOC Values	As Supplied : <50 g/L (mixed)
Density	Part A – approx. 1.2 kg/L Part B – approx. 1.0 kg/L All components mixed – 1.8 kg/L

SUBSTRATES & SURFACE PREPARATION

General	All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture, and other foreign substances prior to application. Clean and/or degrease with a suitable non-ionic detergent (such as Altex P40 Cleaner).
Concrete	Concrete should be fully cured for 28 days at 21°C and 50% RH or equivalent and finished by steel trowel. Surfaces must be clean and dry. Track blast, sweep abrasive blast or diamond grind to remove all laitance and abrade substrate ensuring to achieve a finish similar in texture to ICRI CSP 3-5 (Use appropriate CSP level based on the applied system). Ensure all surfaces are free of all contaminants and form release agents.

MIXING & THINNING

Mixing	Stir the two components to obtain a smooth, homogeneous condition using a power stirrer. After mixing the base portion, decant the required amount of Part A into a clean container by weight using digital scales. Add Part B to the Part A container and drain thoroughly. Mix with a slow speed drill and helical spinner head for 60 seconds, taking care not to entrain air. Add Part C (filler) and mix with a heavy duty slow speed drill and helical spinner head or a forced action mixer until uniform.
Thinning	Do not thin

MIXING & THINNING

Ratio	2.4 : 1 : 23.9 by weight (Part A : Part B : Part C)
	30 kg (16.7 litres) kit: Part A - 2.6 kg Part B - 1.1 kg Part C - 26.3 kg
Pot Life	40 minutes at 25°C At higher temperatures (or if left in bucket) the application time is reduced.

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.

Trowel	Immediately after mixing, place on the wet/tacky or dry seeded primer and spread out to give a uniform finish. Use a steel bladed trowel to finish.
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APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	10°C	10°C	10°C	0%
Maximum	35°C	35°C	35°C	85%
Optimum	15-24°C	15-24°C	15-24°C	30-70%

The recommended material and substrate temperature is 10 - 35°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24 hours after application.

CURING SCHEDULE

Surface Temp.	Dry to Overcoat/ Sealing (min)	Dry to Overcoat/ Sealing (max)	Dry to Foot Traffic	Dry to Vehicular Traffic	Full Cure
25°C	8 Hours	24 Hours	18 Hours	48 Hours	7 Days

Curing schedule based on 1mm DFT

If sealing, sealer must be applied within 24 hours at 25°C. Refer to Technical Services for suitable sealing products.

Full chemical resistance is achieved after 5-7 days. Do not cover or wash within the first 24 hours of curing.

Excessive humidity or condensation on the surface during curing may result in a surface haze. Any haze or blush must be removed by water washing before recoating.

CLEANUP & SAFETY

Cleanup	Use Altex Thinning Solvent #10
Safety	For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label, and the Safety Data Sheet (SDS) for health and safety information prior to use.
Ventilation	When used in enclosed areas and product is thinned, 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 guidelines. If not sure or if not able to monitor levels, use suitable approved respirator.

PACKAGING, HANDLING & STORAGE

Shelf Life	12 months (Part A and B) Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.
Shipping Weight (Approximate)	1.8 kg per litre 16.7 litre kit – 30 kg
Storage Temperature & Humidity	Optimum: 5-35°C
Storage	Store under cool, dry conditions and should be protected from frost, weather, moisture, direct sunlight, and contamination ingress.

WARRANTY

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 Altex Terms and Conditions of Trade, available at www.altexcoatings.com, apply in respect of all coating products and materials supplied, including samples.