

TECHNICAL DATA SHEET

ALOCIT 28.95 EPOXY PRIMER/ SEALER

- Outstanding adhesion, on damp and oil contaminated surfaces
- A two part, clear epoxy resin, free of solvents, with a very low viscosity
- A sealant with low permeability to moisture
- Fully hardens at temperatures down to 5°C
- Bonds structural elements of almost any kind firmly
- Bonds new concrete to old concrete
- Usable as a mortar if mixed with quartz or finely crushed stone

USAGE

For repair of cracked concrete even if damp or wet, bonding of broken concrete pieces, steel anchors or new concrete to old concrete. Use on dry or damp or oily surfaces as a bonding agent, sealer, injection sealer or primer for repair and construction of highways etc.

- Primer for Alocit and other products, on non metallic substrates.
- Adhesive for structural materials
- Injection sealer and adhesive to improve resistance and restore material strength. Floor covering with high wear resistance when filled with quartz, or a mortar for repair of damaged concrete.
- Non-hygroscopic bonding agent for insulation material, particularly granular insulation.

TECHNICAL DETAILS

Product Description	Two component epoxy resin, free of solvents
Volume Solids	100%
Mixing Ratio (by weight)	2 parts epoxy resin - 1 part hardener
Specific Gravity	Unmixed resin 1, mixed 1.1
Dilution	Do not dilute
Brush/Tool Cleaner	Immediately after use. Alocit Solvent ACE 1
Theoretical Coverage Rate	Maximum - 4.6m ² /mixed KG/200μ Dry Film Thickness (D.F.T.) Optimum - 7.0m ² /mixed KG/150μ Dry Film Thickness (D.F.T.) Minimum - 9.2m ² /mixed KG/100μ
Number of Coats	1 coat as a primer, 2 coats as floor system
Working Life*	@ +20°C/+68°F 40-45 minutes
Drying Times	@ +20°C/+68°F Touch dry 6 hours,
Resistant to	Water, sea water, oils, petroleum, some solvents, alkalis and a certain range of acids
Flash Point	Above +200°C/+392°F
Shelf Life	Minimum 1 year at moderate temperature
Storage	Moderate temperature 15-30°C
Colour	Clear
Pack Size	1.5 kilos (1 kilo resin/0.5 kilo hardener) other sizes available to order

Notes * Working Life is dependent on unit size, ambient and product temperature, mixing method and duration, speed of application relative to the reduction in volume of mixed product.

SURFACE PREPARATION

- 1) **CONCRETE/CEMENTITIOUS SUBSTRATE:** The surface must be free from loose particles, excessive dust and laitence. Optimum method is to abrasive blast with enclosed recovery system. Alternative methods include scarifying, light scabbling, diamond planing etc. Relatively large surface voids/cracks should be investigated and suitable remedial action be taken, i.e. Alocit 28.95 combined with clean quartz as a filler.
- 2) **WOOD/GRP:** Abrade to remove any loose previous coatings, including moulding waxes. Solvent wipe if required.
- 3) **CERAMIC TILES:** Should be acid etched, washed and dried before coating, stripe coat individual joints before overall application

NB: Unknown/unusual substrates should have a trial application area to check suitability for overall coating with Alocit 28.95.

APPLICATION - METHODS

- Brush** **Prime** with sufficient material depending on the porosity of the surface.
Easy to apply due to low viscosity.
- Trowel** Alocit Epoxy Resin 28.95 filled with quartz may be applied with a spatula or trowel.
(Note that a wet trowel improves surface finish).
- Spraying** Use airless spray equipment.

APPLICATION ON CONCRETE

After the surface has been prepared, mix resin and hardener thoroughly and apply with a paint brush, a soft scrub-brush or airless spray gun. If Alocit Epoxy Resin 28.95 is used as a primer, immediately apply the new concrete or any mortar and other Alocit products as soon as surface is tack dry. Alocit Epoxy Resin 28.95 may be mixed with quartz at a ratio of up to 1:10 depending on the size of the granules. Contact our Technical Department for suggestions.

PRECAUTIONS

It is imperative to check unknown surfaces to be coated by a test coating before you start the work.

Also, tests should be done routinely on concrete because of the widely differing mixtures used.

Always empty the entire amount of hardener into the epoxy, because the proper mixing ratio must be maintained. Containers are pre-measured and the epoxy container is oversized to allow adding and mixing of the hardener.

Mix thoroughly by hand or with mechanical mixer. Make sure that the material is mixed well around the walls and the bottom of the can. Avoid stirring air into the product during mixing.

IMPORTANT

- Mix only the number of units which can be used during their working life time.
- The working life of 40/45 minutes at +20°C will be shortened with increased temperatures.
- Before mixing resin with hardener, stir resin well, all around the bottom of the can. This is particularly important in regions with temperatures above +30°C

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