



Technical Data Sheet

ALOCIT 28.15 **Aquacoat Epoxy Coating**

Environmentally friendly and wear resistant
An inexpensive solution to problem coating needs
Solvent free, corrosion protection
Outstanding adhesion, on oily surfaces and under water

USAGE

As a hygienic, easily cleaned finish for concrete, steel, ironwork providing a hard wearing attractive surface. For preservation of steel structures, industrial floors, cellars, bound areas, laundries, sheet pilings, locks and channels, docks, harbours, oil rigs, oil tanks, ship hulls and bilges, bridges, conduits, caverns, industrial plants for wet or oily surfaces, railway and subway tunnels, underpasses, swimming pools etc. An unlimited potential for a wide range of needs.

- A coating low in friction, reducing hydraulic losses
- A protective coating resistant to light acids, oils, sewage, mechanical wear and chemical attack
- A coating that can be applied on dry, wet, or even under water surfaces – a high build (200-400 microns) per coat

TECHNICAL DETAILS

Product Description:	Two component epoxy resin free of solvent
Volume Solids:	100 %
Mixing Ratio (by weight):	5 parts resin – 1 part hardener
Dilution:	Do not dilute
Brush/Tool Cleaner:	Immediately after use.
Theoretical Coverage Rate:	300 – 500 g/m ² - for concrete
Number of coats:	Two coats recommended particularly on porous surfaces
Pot life: +20 °C/+68 °F:	40-60 minutes
Drying Times:+20 °C/+68 °F:	Touch dry 6-8 hours
Minimum Cure Temperature:	+5 °C
Resistant to:	Water, sea water, oils, petroleum, many solvents, alkalis and a certain range of acids.
Adhesion under water and on slightly oily surfaces:	More than 3,2 N/mm
Resistance to tensile strength:	300 kg/cm
Resistance to compressive strength:	100 kg/cm
Resistance to flexural strength:	550 kg/cm
Resistance to pencil hardness:	H
Flash Point:	Above +200 °C / +392 °F
Shelf Life:	Unmixed approximately 1 year
Storage:	Dry room temperature below +30 °C/86 °F
Colours:	Black, grey
Pack Size:	30 kg (25 kg resin + 5 kg hardener)

Notes: ALOCIT Aquacoat 28.15 can be mixed with quartz up to 1,5 ratio



APPLICATION

Brush: Apply two coats at 300-500 g/m² on concrete depending upon surface. Aquacoat must be brushed into the surface with circular motion with a hard hair brush or scrub brush.

The accuracy of the surface preparation prior to the actual coating is essential. Please adhere to the following instructions carefully and when in doubt, please contact us for additional information.

SURFACE PREPARATION

The surface must be free of dirt and loose particles which must be removed by abrasive blasting or other mechanical means.

Before coating with ALOCIT Aquacoat 28.15, holes in concrete may be filled with ALOCIT Thixotropic 28.97.

Remove rust by abrasive blasting or other mechanical means.

On smooth surfaces, plastics, steel or non-ferrous metals, grinding with a grinding tool is recommended.

A rough surface provides a better adhesion than a smooth one.

For cleaning surfaces of any kind, concrete floors, road ways, ship decks, we recommend to use a roughening machine to remove rust, scale, old flaking paints and coatings, caked oil and grease and to roughen slick concrete surfaces to prevent slippage and for better adhesion of new flooring materials.

Unknown surfaces must be checked by a test coat. After ALOCIT Aquacoat 28.15 has been cured for 10 days, the adhesion can be easily checked by means of grid cut or mechanical stress.

APPLICATION ON CONCRETE

After the surface has been prepared and levelled, apply the well mixed ALOCIT Aquacoat 28.15 with circular motions evenly and thoroughly with a brush.

In order to obtain a non-skid surface, a dusting of fine quartz can be applied to the surface or a mixture of quartz and sand can be added to the mixture of the second coat.

When oily surfaces are not present ALOCIT Epoxy resin 28.95 may be used as a primer at temperatures below +12°C/+54°F.

The second coat must be applied when the first coat is tack dry.

PRECAUTIONS

Always use the entire can. Product cannot be reused after pot life expires.

Always empty the entire amount of hardener into the epoxy, because the proper mixing ratio must be maintained.

Containers are pre-measured and most of the epoxy containers are oversized to allow adding and mixing of the hardener .

Never dilute ALOCIT Aquacoat 28.15 with thinners.

Mix thoroughly by hand or with a mechanical mixer. Make sure that the material is mixed well around the walls and the bottom, before mixing with hardener.

IMPORTANT

ALOCIT Aquacoat 28.15 must be brushed into the surface with circular motions, using pressure on moist, wet, submerged or oily surfaces. The second coat must be applied as soon as the first coat is touch dry – not later.

ALL INFORMATION IS GIVEN IN GOOD FAITH BUT WITHOUT WARRANTY