

AC1050 1K Primer

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Product Description

Dutch Resin Group's Primer AC 1050 is a water-based primer/impregnating agent, specially developed to improve the adhesion of mineral substrates through its penetrating properties. Primer AC 1050 is transparent and preserves the original color of the substrate. The product significantly strengthens the mineral substrate, making the surface more resistant to wear and tear and allowing it to be coated with our hard lacquers. Additionally, Primer AC 1050 creates a water-repellent layer, causing water to remain on the surface of the mineral substrate and protecting it against moisture penetration.

Product Information

Package size	Set size
1 kg	1-component 1.00 kg
5 kg	1-component 5.00 kg
10 kg	1-component 10.00 kg

Appearance Transparent

Shelf life 12 months from the date of manufacture when stored at normal temperature (15°C). See more under *storage*

Product Features

- High hardness
- Seamless and liquid-tight
- Easy application
- Deeply penetrating
- Water-repellent effect
- Can be overcoated with our PU topcoats for extra protection on mineral substrates

Applications

- As an adhesion primer or primer under leveling compound
- As an adhesion primer over leveling compound
- As an adhesion primer on mineral floor systems
- As an adhesion primer on absorbent substrates
- As an adhesion primer on non-absorbent substrates

Technical data

Apparent density	1.00 kg/dm ³
Mixing ratio	N/A
Coverage	50 to max 75 g/m ² per coat.
Drying time	Approximately 100 minutes. *
Dust-dry	After 1 hour *
Walkable	After 4 hours *
Can be covered	After 4 hours*
Fully load-bearing	3 days
Bond strength (N/mm ²)	>1.5
Viscosity (mPa·s)	30–50
Solid content	31%

Product application conditions

Substrate temperature	Minimum 10°C, maximum 30°C, Optimal 20°C
Ambient temperature	Minimum 10°C, maximum 30°C, optimal 20°C
Substrate moisture content	Moisture < 4%
Relative humidity	Maximum 70% RH
Dew point	Must be at least 3°C above the dew point.
Caution	These conditions apply to both the application and curing of the product. Ensure adequate ventilation in the room
Tools	The product should be applied using a plant sprayer to distribute it and a mop to spread it.

* At a normal temperature of 20°C.

Work and environmental protection

Solvent-free. Non-flammable: Contains acrylate, no hazards. Non-corrosive.

Wear suitable protective gloves and safety goggles during application. Hazardous to the environment in liquid form; therefore, do not allow it to enter the sewer system, open water, or the soil. Odorless after curing and poses no ecological or physiological risk.

Disposal of material

Product residues that have not cured. Do not allow these to enter the sewer system, open water, or soil. These uncured components are chemical waste. Cured components are classified as construction waste.

Storage and Shelf Life

The product must be stored in a dry place at temperatures between 10 and 25 degrees Celsius. Under these conditions, the shelf life of unopened packaging is at least 12 months.