

ACRILID PROTECT COATING

Washable coloured water-based paint for interiors and exteriors resistant to brackish air.

Water-repellent and breathable liquid coloured coating for indoor and outdoor applications. This product can be washed. *Acrilid Protect Coating* is latex-based, and can be used as a protective finish for external façades and internal walls. The product is designed to finish thermal-acoustic plasters realized with the products of the *Diathonite* line, as it prevents the masonry to absorb rainwater. The finish is also able to avoid the carbonation of the cement by atmospheric agents. Ideal product for saline areas.

BENEFITS

- Highly elastic.
- Breathable.
- Water-repellent.
- Easy to wash.
- Excellent abrasion resistance.
- High resistance to weathering agents, UV rays and salty air.
- Resistant to both high and low temperatures.
- Fibre-reinforced
- Easy and quick application
- *Solvent free* product.
- Complies with European 2004/42/EC VOCs regulation.

YIELD

0.30 kg/m² (201.01 ft²/gal U.S.)

COLOUR

Custom colors as per the NCS system.

PACKAGING

20 kg (3.57 gal U.S.) plastic bucket.
Pallet: 48 buckets (960 kg – 171.35 gal U.S.).

APPLICATION FIELDS

The product is designed for the decoration of walls exposed to salty air: façades, old and new plasters, thermal plaster such as *Diathonite Evolution* or *Diathonite Thermactive.037* (see technical data sheets) or external thermal systems. *Acrilid protect coating* creates a smooth finish and can be used in different situations: concrete or plasters. Product suitable for indoor and outdoor environments.

STORAGE

Store the product in its original containers perfectly closed, in well ventilated areas, away from sunlight, water and ice, at temperatures between +5°C (41°F) and +35°C (95°F). Storage time: 24 months.

PREPARATION OF SUPPORT

The substrate must be completely hardened and resistant enough. The surface must be carefully clean, well consolidated, without debris or detaching parts and perfectly levelled. Before the product application, it is recommended to cover threshold, window fixtures and each element that will not be coated. Eventual lesions or damaged parts of the support must be restored before the product application. It is recommended to apply the paint within 30 days from the end of the smoothing and anyway before the winter season.

Diathonite plasters or new plasters

Make sure that the surface of the plaster is less rough as possible and apply the smoother *Argacem HP* or *Argatherm* (see technical data sheets). Before the application, apply the specific fixative *D20* (see technical data sheet).

Old plasters

Make sure that the plaster is compact and well bonded to the support, otherwise totally or partially remove it and re-make it. In case of painted plasters, remove the detaching paints, fill eventual imperfections and then smooth the surface with sandpaper. Before applying *Acrilid Protect Coating*, treat the surface with the fixative *D20* (see technical data sheet).

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Concrete

In case of damaged or crumbly concrete, restore it with the mortar *Rebuild⁴⁰ R4* (see technical data sheet). Be sure to properly treat any oxidized reinforcement rods. Concrete supports must be sufficiently cured. In case of smooth concrete, on not moist support, use the primer *Grip Primer* (see technical data sheet).

Smooth concrete

On smooth and non-absorbent surfaces use the specific primer *Grip Primer* (see technical data sheet). For supports not mentioned in this technical data sheet, please contact Diasen technical office.

MIXING

Perfectly mix the product before the use to make it homogeneous. Mix up to 20% of clean water for dark colours and between 20-30% of clean water for light colours. Never add other substances to the mixture.

APPLICATION

1. Wait for the complete drying of the primer or of the fixative used.
2. Apply a first layer of *Acrilid Protect Coating* by short haired roll or by airless and wait for the complete drying (about 4 hours at 20°C/68°F and 40% relative humidity). In case of rain over not perfectly dry product carefully verify the suitability of the next covering.
3. Apply a second layer of *Acrilid Protect Coating* to completely cover the substrate. For a better result, it is recommended to cross the coats.

DRYING TIME

At a temperature of 23°C and 50 relative humidity, the product dries in about 5 hours.

- Drying time is influenced by environmental relative humidity and by temperature and it may significantly change.
- If *Acrilid Protect Coating* is applied with a higher yield than the expected one, drying time can significantly increase.

SUGGESTIONS

- Do not apply at environmental temperature or at support temperature lower than +5°C (41°F) and higher than +30°C (86°F).
- During summer season, apply the product in the cooler hours of the day.
- Do not apply with imminent threat of rain or ice, in conditions of strong fog or with relative humidity higher than 70%.
- Apply the product over completely dry surfaces.
- Store the unused product in its original package.
- In the summer season or in extremely hot climatic conditions or with high humidity, it is recommended to apply the product in two or more layers (recommended: 3 layers) until reaching the yield specified in this technical data sheet, in order to avoid the possible creation of micro surface cracks of the dry product and obtain a homogeneous final surface free of aesthetic defects.

CLEANING

Wash tools with water as soon after use.

SAFETY

While handling, always use personal protective equipment and respect the instructions described in product safety data sheet.

FINISHES – liquids

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

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* The above data, even if carried out according to regulated tests, are indicative and they may change when specific building site condition vary.

Technical data *		
Feature		Units
Yield	0.3 kg/m ²	kg/m ²
	201.01 ft ² /gal	ft ² /gal
Aspect	liquid	-
Colour	custom NCS colors	-
Dilution	0–20% of water for dark tones 20-30% of water for light tones	-
Waiting time between 1 st and 2 nd coat (T=23°C/ 73.4°F; R. H. 50%)	4	hours
Application temperature	+5 /+35	°C
	41/95	°F
Maximum humidity	70%	-
Drying time (T=23°C/ 73.4°F; R. H. 50%)	5	hours
Storage	24 months in original containers and dry places	months
Packaging	20 kg plastic bucket	kg
	3.57 gal U.S. plastic bucket	gal

** 1680 hours of weathering test correspond to about 10 years. This correspondence is merely indicative and it may change according to the climatic conditions of the place where the product will be used.

Final performances		Unit	Regulation	Result
Sea salt resistance	-	-	-	excellent
Weathering Test**	1680 hours (> 10 years*)	hours / years	EN ISO 11507	-
Water vapour permeability	μ = 88	-	EN ISO 7783	class I – high breathability
	S _D = 0,05	m		
Solid content	65%	-	-	-
Film Forming Temperature	+5	°C	-	-



FINISHES – liquids

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