ACRIMPER

Acrylic rubber waterproofing membrane

DESCRIPTION AND APPLICATIONS

Waterproofing liquid, elastomeric, acrylic rubber-based product. Acrimper is a water dispersion composition that, upon polymerization, forms a rubber like elastomer. Acrimper is suitable for varied waterproofing applications and provides protection against carbonation in concrete surfaces.

ADVANTAGES

Elastic and seamless coating, weather and frost resistant.

CERTIFICATIONS

CE Marking EN 1504-2: 0370-CPR-2247

CE

TECHNICAL DATA

INFORMATION ON THE PRODUCT BEFORE APPLICATION	
Chemical description	Acrylic rubber dispersion
Physical state	Liquid
Packaging	Plastic container: 22.5 kg
Non-volatile content	63%
Available colours	White, tile red, red, dark grey
Density	1.4 g/cm^3
Viscosity	1200-1600 mPa.s (s64, 50 rpm, 23ºC)
Storage	Frost sensitive
Use before	Product may be used up to 24 months after manufacturing date, in its sealed original container.

INFORMATION ON THE FINAL PRODUCT		
Final state	Semi-gloss, elastic membrane	
Mechanical properties	Reinforcement	Results
	None	Maximum elongation: 180% Tensile strength: 2.3 MPa
	Geomax (80 g/m^2)	Maximum elongation: 30% Tensile strength: 8.8 MPa
	Rayston Fiber Net	Maximum elongation: 4% Tensile strength: 23 MPa
Hardness (Shore)	80A	
Adhesion	Concrete (with Epoxy Primer 100): 2.5 MPa	
Carbon dioxide permeability	Sd=60m 4.2 g/m^2 day	
Chemical resistance	Surface contact, 24h, room temperature (0=worst, 5=best)	

Chemical	Result
Water	5
Salt water	5
Methoxypropyl acetate	2
Sodium hydroxide	5
Ammonia (3%)	4
Tetrahydrofuran	3
Skydrol	4
Acetic acid 10%	5
Xylene	0
Sulphuric acid 10%	0
Bleach	3
Hydrochloric acid 25%	4
Sulphuric acid 30%	0
Acetone	3
Marlipal 10%	5
Isopropyl alcohol	1
Hydrogen peroxide	3
Beer	4

SUPPORT REQUIREMENTS

To achieve a good penetration and bonding, support must be:

1. Flat and leveled.
2. Compact and cohesive (pull off test must show a minimum resistance of 1,4 N/mm^2).
3. Regular surface.
4. Free of cracks and fissures. If any, they must be previously repaired.
5. Clean and dry, free of dust, loose particles, oils, organic residues or laitance.

Presence on humidity in the substrate, if not permanent, does not impair Acrimper application.

RECOMMENDED ENVIRONMENTAL CONDITIONS

Support temperature should be between 5ºC and 40ºC.

MIXING AND APPLICATION GUIDELINES

Apply by roller, brush or spreader. No primer needed.

Use a minimum of two coats (1-1,2 kg/m^2) each, to obtain a minimum thickness of approximately 1 mm.

In higher tensile resistance is needed cracked concrete, or tiles, it is recommended a reinforcement of the first coat with a fiberglass net or Geomax geotextile.

On porous surfaces, a first diluted coat (up to 20% with clean water) can be applied at 0,3 kg/m^2 as a primer to ensure better adhesion. Application is not recommended in case of rain.

CURING TIME

6 hours (20ºC)

RETURN TO SERVICE

At usual conditions (20ºC), after 24 hours.

TOOL CLEANING

Acrimper can be cleaned with water.

SAFETY

Please refer to the Material Safety Data Sheet.

ENVIRONMENTAL PRECAUTIONS

Empty containers must be handled taking the same precautions as if they were full. Containers must be considered as hazardous waste, to be transferred to an authorized waste manager. If there is some residual product in the containers, do not mix it with other substances without checking for possible dangerous reactions.

OTHER INFORMATION

The information contained in this Technical Data Sheet, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

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We recommend to study deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests “on-site” in order to determine their convenience for a specific project. Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

This Data Sheet supersedes all previous versions.

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