








IDROLASTIK AB RAPID

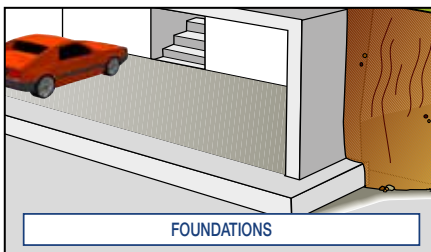
WATER-BASED BITUMEN, TWO-COMPONENT RAPID WATERPROOFING PASTE, WITH HIGH ELASTICITY AND IMMEDIATE WATERPROOFING, TO BE APPLIED WITH AIRLESS SPRAY

GRANTS *LEED* CREDITS

CHARACTERISTICS			ENVIRONMENTAL	METHOD OF USE	PRECAUTIONS
					
TWO-COMPONENT	WATER BASED	WATERPROOFING	ECO GREEN	APPLY MECHANICALLY USING A 2-COMPONENT-SPRAY-PUMP	STORAGE: KEEP AWAY FROM FROST

PROBLEM

WATERPROOFING CONCRETE SURFACES



Concrete structures of terraces and foundations without joints or built on surfaces made up of filling materials are subject to constant settling, which causes cracks along the lines with the highest tension. It is therefore necessary to use elastomeric bitumen waterproofing products to protect them from infiltration problems when polymer bitumen membranes cannot be used.

SOLUTION

IDROLASTIK AB RAPID is a two-component semi-dense bitumen paste in aqueous solution. Its black colour is obtained by mixing special synthetic resins and special bitumens. Once dry, this bitumen paste is highly elastic and immediately waterproof, to be applied with airless spray.

IDROLASTIK AB RAPID is applied with an airless spray pump able to keep the two components separate until they leave the nozzle. Once in contact, the two components react creating a continuous waterproof membrane with high flexibility.

APPLICATION FIELDS

IDROLASTIK AB RAPID is suitable for all types of concrete surfaces, cellular concrete, masonry made of limestone, pumice stone, lightweight bricks, hollow blocks, plaster and screeds. IDROLASTIK AB RAPID is used for externally waterproofing foundations and walls in contact with the ground, and in general vertical and horizontal surfaces.

ADVANTAGES

- Water-based.
- Apply with airless spray
- High speed application
- High flexibility level
- High elongation rating
- Immediate resistance to rain
- High crack-bridging ability even at low temperatures
- Resistance to chemical aggression of soil
- UV resistance

METHOD OF USE

• SURFACE PREPARATION

The surfaces to be treated must be solid and perfectly clean.

Any laitance, crumbling parts and traces of powder and/or dust and form releasing agents must be removed.

On masonry supports of various kinds, check that the surface is sufficiently uniform before applying IDROLASTIK AB RAPID.

Concrete surfaces must be free from irregular parts and gravel nests. These faults can be repaired with products from the Index RESISTO line.

Smooth horizontal and vertical sharp edges with suitable mechanical means and make connecting coves between the erected wall and the foot of the foundation, using products from the Index RESISTO line.

Any structural joints must be sealed with strips MINERAL HELASTA - Index.

After carefully preparing the support, use a roller, paintbrush or spray to apply a coat of solvent-based bitumen primer, Index INDEVER SP - Index.

To prevent the formation of bubbles, create

shade for the surface or work in the early hours of the morning or in the evening.

• APPLICATION

Once the primer has dried, apply the IDROLASTIK AB RAPID working from the bottom upwards, in crossover stripes, at 40-60 cm from the support.

IDROLASTIK AB RAPID must be applied in a constant thickness of 3 mm across the whole surface. IDROLASTIK AB RAPID must be applied with an airless spray using a two-component product lance for immediate mixing out of the nozzle. The hardening process of IDROLASTIK AB RAPID causes most of the water to return to the surface, therefore the immediate oozing effect that can be seen on

the surface of the product straight after application is completely normal. If the product is applied in strong sunlight, some bubbles may appear, which must then be repaired.

• PROTECTION OF THE WATERPROOFING

When filling the foundation excavations or applying subsequent protective layers, IDROLASTIK AB RAPID must be dry. It takes about 2 days with conditions of 23°C and 50% R.H. to



TECHNICAL CHARACTERISTICS

		IDROLASTIK AB RAPID	
		COMPONENT A	COMPONENT B
Appearance		Liquid	Liquid
Mix ratio		10	1
Density	EN 2811-1	1.00 ± 0.05 kg/L	1.10 ± 0.05 kg/L
Brookfield Viscosity		~1 000 mPa·s (rotor 4 - RPM 12)	~11 mPa·s (rotor 1 - RPM 100)
Dry residue		56 ± 2%	10 ± 2%
Colour		Black	
Shelf life in original packaging (dry stored)		12 months	
Mix characteristics and workability			
Application temperature		+5°C ÷ +35°C	
Maximum application thickness		3 mm	
Waiting time - total dry (*)		2 days	
Application		manual or spray	
Performance characteristics		Product performance	
Impermeability to pressurised water - on open cracking (1 mm)	EN 15820	>72 h a 0.075 N/mm ² - class W2B	
Cold flexibility	UNI 15813	-20°C	
Dimension stability in hot conditions - 70°C	UNI 15818	No sliding - No dripping	
Compression strength	EN 15815	0.30 MN/m ² - Class C2B	
Tear resistance	NFT 46002	1 500% ± 100%	
Crack bridging ability at +4°C	EN 15812	class CB2	
Ultimate tensile strength	NFT 46002	8.5 ± 0.5 kg/m ²	
Water resistance	EN 15817	No water colored. No change of product.	
Resistance to rain	EN 15816	Class R3	
Fire resistance	EN 13501-1	Euroclass E	

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.

(*) The times indicated will be longer or shorter as the temperature drops or rises.

(See previous)

dry completely.

The drying time may vary according to the climate conditions (temperature, humidity, wind) and the thickness applied, as well as the degree of absorption of the support. Before burying protect the waterproofed surfaces with protected layers such as Index PROTEFON TEX - Index.

• COVERAGE

The consumption is approx. 1.3 kg/m²×mm, for a continuous film on a flat surface. Consumption is higher if the base is irregular.

• PRECAUTIONS

- Do not mix with solvents.
- It is not suitable for painting concrete drinking water storage tanks.
- Minimum application temperature +5°C.
- Do not apply in bad weather conditions because before the product has set it could be washed away with rainwater or damaged by frost.
- Do not apply in extremely hot and cold conditions.
- It is not suitable for waterproofing in negative pressure (counterthrust).
- Do not use without protective draining layers.
- Before the product has hardened, wash tools with water. After hardening it must be removed mechanically or with thinner.
- The product must be stored in a cool place at temperatures of above +5°C and protected from direct sunlight. It is not frost-proof and cannot be used once it has frozen.

PACKAGING

IDROLASTIK AB RAPID

- Comp. A: 20-kg-Pail 1 000-kg-Tank
- Comp. B: 2-kg-Jar 100-kg-Barrel

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

index
Construction Systems and Products
Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67
T. +39 045 8546201 - F +39 045 518390

Internet: www.index-spa.com
Informazioni Tecniche Commerciali
tecom@indexspa.it
Amministrazione e Segreteria
index@indexspa.it
Index Export Dept.
index.export@indexspa.it



the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering