

B-REPARA PROTEÇÃO AD 40

WATER REPELLENT SURFACE PROTECTOR

1. DESCRIPTION

B-REPARA PROTEÇÃO AD 40 is a high-quality water-repellent surface protector, polysiloxanes-based impregnating type.

2. FIELD OF USE

B-REPARA PROTEÇÃO AD 40 is used as a colourless water-repellent treatment for porous surfaces such as concrete, cementitious mortars, unglazed ceramic tiles, natural stone, unglazed ceramic tiles and fibre cement, among others.

B-REPARA PROTEÇÃO AD 40 is intended to penetrate the pores of the surface to be treated, reducing water absorption, increasing durability and facilitating maintenance by decreasing penetration of dust and impurities. **B-REPARA PROTEÇÃO AD 40** effectively reduces the deterioration of porous materials exposed to the action of defrosting.

B-REPARA PROTEÇÃO AD 40 is especially suitable for the protection of specific systems of porous surfaces, such as architectural concrete elements with BETÃO-S ESTRUTURAL, coloured mortars or REDUR-type single layer render, or even in the restoration of exposed stone masonry with REABILITA CAL RJ.

B-REPARA PROTEÇÃO AD 40 does not create a film, impregnating the surfaces maintaining a high permeability to water vapour without changing their appearance or brightness.

B-REPARA PROTECTION AD 40 complies with the requirements of standard EN 1504-2, in accordance with principles 1, 2 and 8, methods 1.1, 2.1 and 8.1.

3. PRODUCT CHARACTERISTICS

Characteristics	Value		Standard
Colour	colourless		-
Aspect	Maintains the appearance of the substrate		-
Number of coats (fresh on fresh)	2		-
Density at 230C	0,8 ± 0,05		-
Thinner	Synthetic		-
Theoretical yield	2 a 8 m ² /l / coat		-
Waiting time until use	2 hours		-
Tempo de espera até utilização	24 hours		-
Characteristics	Value	Required requirement by NP EN 1504-2	Standard
	Principles 1,2 and 8, method 1.1, 2.1 and 8.1C		
Penetration depth (Class)	Class I	Class I < 10 mm	EN 1504-2; Table 3

Water absorption and alkali resistance	Untreated	$\leq 7,5 \%$	$\leq 7,5 \%$ Comparado com não tratado	EN 13580
	Saline solution	$\leq 10 \%$	$\leq 10 \%$ Após mergulhado em solução salina	
Drying speed (Class)		Class I	Class I > 30 %	EN 13579
Resistance to ice and thaw salts		DND	--	EN 13581

The recommended waiting times refer to the application of the product in conditions of normal temperature and humidity

4. APPLICATION

a) Substrate preparation

Surfaces must be dry, clean, free of dust, release agents, disaggregated or unstable materials, efflorescences, as well as any type of coatings or paint.

B-REPARA PROTEÇÃO AD 40 is to be applied to cementitious surfaces, after complete curing, with a minimum age of 28 days.

b) Application

Before application, **B-REPARA PROTEÇÃO AD 40** must be homogenized by stirring.

Apply **B-REPARA PROTEÇÃO AD 40** evenly by roller, by brush or spray, on perfectly dry substrates. The successive layers should be applied while the previous one is still fresh, and it is recommended to apply at least two coats of **B-REPARA PROTEÇÃO AD 40**.



Cleaning the surface



Application of **B-REPARA PROTEÇÃO AD 40**



Final appearance of the treated surface

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c) Restrictions

The substrate on which *B-REPARA PROTEÇÃO AD 40* is to be applied must not be hot for sun exposure and must not be 3°C below dew temperature. The application should not be carried out with ambient temperatures below 7°C neither should it be applied in the rain.

B-REPARA PROTEÇÃO AD 40 must not be washed or subjected to the action of water within 24 hours from its application.

d) Complementary Advices

- The yield of *B-REPARA PROTEÇÃO AD 40* must be followed as indicated above, in order to guarantee its performance;
- Do not add any other products to *B-REPARA PROTEÇÃO AD 40*, which should be applied as presented in its original packaging;
- In the state of fresh, tools can be cleaned with a synthetic thinner. Once hardened it can only be removed mechanically.

5. PACKAGING AND VALIDITY

Packaging

5 l jerrican in plastic wrapped pallets with 64 units.

Validity

12 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

6. RELATED PRODUCTS

- *REDUR* (Coloured plaster)
- *BETÃO-S ESTRUTURAL* (Dry pre-dosed concrete)
- *REABILITA CAL RJ* (Mortar for grouting old masonry)

7. HEALTH AND SAFETY

(DOES NOT REPLACE CONSULTATION OF THE PRODUCT SAFETY DATA SHEET)

B-REPARA PROTEÇÃO AD 40

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- Flammable liquid and vapour;
- Can be fatal if swallowed or enters airways;
- Can cause drowsiness or dizziness;
- If you need to see a doctor, bring the packaging or label with you;
- Keep out of the reach of children. Keep in locked storage;
- Keep away from heat sources, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke;
- Wear protective gloves, protective clothing and eye protection. Wear breathing protection in places with poor ventilation;
- Read the label before use;
- IF SWALLOWED: Immediately call a POISON INFORMATION CENTRE or a doctor. DO NOT induce vomiting;
- Dispose of contents/container taking all possible precautions;
- Can cause dry or cracked skin from repeated exposure.



Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services. The product characteristics, presented in point 3 of this Technical Data Sheet, refer to results obtained in laboratory tests. Results obtained outside these conditions may be slightly different due to conditions that are not possible for us to control.

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