

BioDEUMISAL BARRIERA

WATER-BASED CHEMICAL BARRIER
FOR TREATING WALLS SUBJECT TO CAPILLARY RISING DAMP.



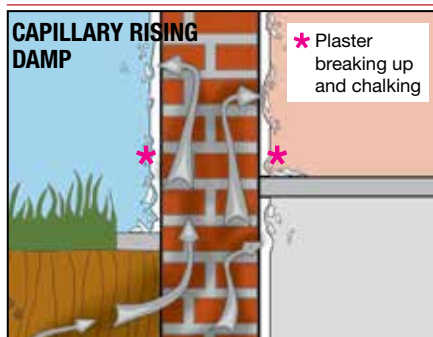
QUALIFIES FOR *LEED* CREDITS



CHARACTERISTICS		ENVIRONMENTAL	METHOD OF USE	PRECAUTIONS
				
ALLOWS TO BREATHE	WATER BASED		INJECTION APPLICATION	STORAGE: KEEP AWAY FROM FROST

PROBLEM

CREATING A BARRIER AGAINST RISING DAMP



Damp rises by capillarity through the pores in the walls, transporting salts such as sulphates, chlorides, nitrates, etc., which crystallise on external surfaces producing efflorescence, and causing separation and chalking of plaster and finishes.

SOLUTION

One-part water-based liquid, which creates a water-repellent filter and prevents capillary rising damp, thus eliminating unsightly efflorescence and the disintegrating action due to crystallisation.

APPLICATION FIELDS

BioDEUMISAL BARRIERA is used for treating internal, external, below-ground or partly underground masonry affected by capillary rising damp and saline efflorescence. In general it is used in all cases of facing masonry or in combination with dehumidifying plaster.

ADVANTAGES

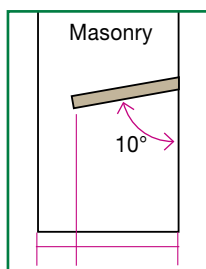
- High penetration power even with highly compact materials.
- Ease of use
- Prevents transport of hygroscopic salts.

METHOD OF USE

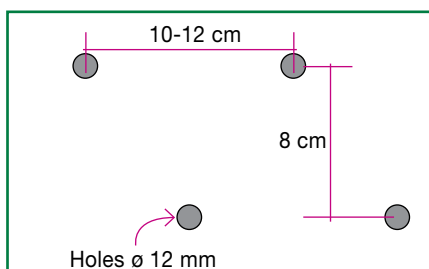
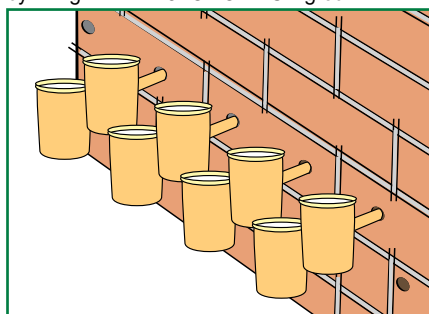
• PREPARING THE SUBSTRATE

- Strip off the old plaster for about 0.5 metre past the mark showing the maximum level reached by the damp over the course of the seasons.
- Brush the surface vigorously, removing all loose and flaking material, oils, release agents, salts, dust and general dirt by descaling, brushing and washing with water. Fill any cavities with fragments of brick and cement-lime mortar.
- For masonry heavily impregnated with salts and oily substances, wash with a 10% solution of alcohol in water, applied with a brush.

Drill with a 12 mm bit, through about 3/4 of the thickness of the masonry. The holes must be every 10-12 cm horizontally, in two staggered rows about 8 cm apart. The holes must also be inclined by about 10°.



In the case of masonry with considerable cavities or cracks, carry out a precautionary series of injections to consolidate the masonry by filling it with INJECTIONMUR grout.



• APPLICATION

Secure the injection pipes with cement mortar, and wait for the mortar to set before injecting the product. The **BioDEUMISAL BARRIERA** solution is ready to use and is applied by low pressure injection using a pump, or by gravity. Impregnation should be continued until the substrate is saturated.

• COVERAGE

Coverage is highly variable, from 0.1 to 1 litre per hole, according to the porosity of the substrate.

• PRECAUTIONS

- We recommend consulting the specification "DEHUMIDIFYING PLASTERS AND CHEMICAL BARRIERS".
- The containers must be kept hermetically sealed because the product can react with moisture in the atmosphere.
- Avoid temperatures greater than +30°C.



TECHNICAL SPECIFICATIONS

	Standards	BioDEUMISAL BARRIERA
Appearance		Liquid
Colour		transparent
Density	EN 2811-1	1.00 kg/
Storage in original packaging in a dry place		12 months
Workability characteristics		
Application temperature		+5°C to +30°C
Application		manual by injection
Performance characteristics		Product performance
Resistance to alkalis		Excellent
Thermal resistance - Working temperature		-30°C to +90°C

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in the test area <0.2 m/s. These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbency of the base coat.

and uses of the product. Considering the many possible uses of the products and the possible interference of elements not under our control, we take no responsibility for the results. The Purchaser is responsible for establishing the suitability of the product for the use envisaged.

The data given here are indicative average data relating to current production, and may be changed and updated by INDEX at any time, at its discretion and without prior warning. The technical information and suggestions provided represent our best knowledge of the properties

PACKAGING

DEUMISAL BARRIERA

- 200-litres Barrel
- 5-litres Can

• FOR THE CORRECT USE OF OUR PRODUCTS, CONSULT INDEX TECHNICAL SPECIFICATIONS • FOR FURTHER INFORMATION OR SPECIAL USES, CONSULT OUR TECHNICAL OFFICE •

index
Construction Systems and Products

Via G. Rossini, 22 - 37060 Castel D'Azzano (Verona) - Italy - C.P.67
Tel. +39 045 8546201 - Fax. +39 045 518390

Internet: www.indexspa.it
Technical & Sales Information
tecom@indexspa.it
Management and Administration
index@indexspa.it
Index Export Dept.
index.export@indexspa.it

