

DESMOG A

Anti-smog alkaline detergent for historical buildings



TECHNICAL SPECIFICATIONS

FIELD OF APPLICATION

APPLICATIONS



Description

DESMOG A is a liquid alkaline gel detergent that does not drip when applied vertically, consisting of alkaline hydroxides, surfactants, additives and thixotropy-enhancing agents.

When applied to building surfaces blackened by air pollution, DESMOG A attacks and removes the oily patina covering them without damaging the substrate.

Field of application

DESMOG A is used as an alkaline cleaner for lightly or heavily deteriorated surfaces with signs of blackening caused by:

- Acid rain.
- Corrosive fumes.
- Combustion fumes.

DESMOG A is specially formulated for removing the grey-blackish patina that forms due to atmospheric pollution on facades of historical buildings.

DESMOG A is highly suitable for structures made of carbonate natural stone or covered with lime plaster.

DESMOG A is suitable for washing surfaces of monuments before applying the consolidation and protective treatments.

Advantages

- DESMOG A is thixotropic. This ensures optimal penetration of the polluting layer (wetting power) without percolations.
- DESMOG A effective even without the aid of mechanical action, due to the mere penetration into and disintegration of the parts to be removed.

However, since DESMOG A contains a slightly abrasive aggregate, the rubbing of the surface to be treated facilitates the removal of highly stubborn patinas.

- DESMOG A is easy to apply: it does not require any special equipment and can be simply used with manual tools.

General preparation of the laying support

There are no special preparations required for the laying support, only a few general indications to facilitate the application and make it safer:

- Apply DESMOG A in favourable weather conditions to prevent excessive thickening (the ideal temperature is around 18–25°C).
- To maximise the detergent effect, the surface must be dry.
- During the treatment, the surface should not be exposed to sunlight to limit water evaporation.

If necessary, keep the surface to be treated under the shade or spray water on it.

- The operators responsible for the treatment must be protected against contact with the product, which has corrosive effects on the skin and eyes.

Preparing the product

- DESMOG A is ready-to-use.
- Shake before application.

Application of the product

- Before effecting any operation, carefully protect the hands, eyes and face.
- Apply DESMOG A using a block brush or roller (spraying is not recommended).

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- Spread the product over the surface treating small portions at a time that can be easily worked before the product dries (in case of high temperatures, wet the treated surface with water mist).
- Leave DESMOG A to take effect for a few minutes to 1 hour depending on the type of surface and the type of dirt.
- Rinse with medium-pressure water jet or brush with a Scotch Brite® sponge.
- Repeat the wash if necessary.
- If you wish to neutralise the treatment's alkalinity on the surface, use DESMOG B.

Consumption

The product's consumption is highly variable and depends on the level of blotching of the surface to be treated.

type of application	minimum consumption	maximum consumption	UoM	coverage
For the complete saturation of the structural reinforcement fabric	0,3	0,6	L/m ²	1,6 – 3,3 m ² /L

Cleaning of tools

- Rinse the tools and containers used for the application several times with water.

Useful application tips

- To define the product's consumption and efficacy duration, a trial must be carried out on a small portion of surface to be treated.
- Bear in mind that the product is highly effective only on surfaces containing calcium carbonate (marble, travertine, etc.).

When washing silica stone surfaces (highly common in Northern Europe), preferably use DESMOG C (an acidic gel detergent, see Technical Sheet).

- The product residues can be abundantly diluted with water before their disposal.
- The product is dangerous, adopt suitable precautions and use the PPE specified in the Safety Sheet under point 8. Wear totally impermeable clothing, rubber boots, gloves resistant to highly alkaline substances and suitable face protections.
- In case of contact with the skin and eyes, wash immediately with abundant cold water and consult a doctor as soon as possible.
- Read the Safety Sheet carefully before using the product.

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C, EN ISO 2811-1	kg/L	1,38 ± 0,07
pH (potentiometric method) at 23°C, ISO 4316	-	> 13
Brookfield apparent dynamic viscosity (23°C / 50% R.H. ASTM#4 spindle, 60 rpm), EN ISO 2555	mPa*s	1400 ± 150
Active substance content (sodium hydroxide)	-	(24 ± 1)%
Thermal stability interval	°C	From +4 to +30
Application temperature	°C	From +18 to +25
► CHEMICAL COMPOSITION - REG. (EC) No. 648/2004	UoM	Value
Non-ionic surfactants	-	< 5%
Anionic surfactants	-	Absent
Cationic surfactants	-	Absent
Phosphates (phosphoric acid)	-	Absent
Surfactants with minimum 90% primary biodegradability and complete aerobic biodegradability in conformity to Regulation (EC) no. 648/2004	-	Yes

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► COMPONENTS SUBJECT TO MANDATORY DECLARATION - Annex VII, §A, REG. (EC) No. 648/2004	UoM	value
Preservatives	-	Absent
Benzyl alcohol (CAS 100-51-6)	-	< 0,1%
Coumarin (CAS 91-64-5)	-	< 0,1%

Storage of the product

- 12 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +30°C.
- Protect the product against frost.

Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	12 barattoli da 1 L	P*	24 scatole	
-	2 fustini da 5 L	P*	21 scatole	

Legenda ADR:

P* = merce PERICOLOSA imballata in quantità limitata (confezionata come da Cap. 3.4 ADR)

LEGAL NOTES

Advice on how to use our products corresponds to the current state of our knowledge and does not involve the assumption of any guarantee and / or responsibility for the final result of the work. They do not refore exempt the customer from the responsibility of verifying the suitability of the products for the use and the prefixed purposes through preventive tests. The website www.nordresine.com contains the latest revision of this datasheet.

EDITION

Issue date: 05.04.1998

Revision: 19.02.2018