

TECHNICAL DATA SHEET

----- **Paint** -----

Biamax

Technical characteristics

sez. 1

BIAMAX by Oikos is a decorative paint for interiors with fillers of a selected grain size. The product is based on acrylic resins in water dispersion and has a Low Environmental Impact. It is vapour permeable and extremely resistant to abrasion and is available in the versions 03 (grain size max 0,3 mm) and 07 (grain size max 0,7 mm). BIAMAX, thanks to its notable coverage, can be used directly as a coloured finish to create an irregular, antique wall decoration but can also be used as a preparatory product on which to create splendid decorative effects. BIAMAX 07, thanks to its larger grain size, can also be used as a white or coloured finish plaster. BIAMAX has excellent coverage, has good filling qualities, is non in-flammable and is friendly to both humans and the environment.

Ideal use

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Decoration for interior walls.

Surface preparation

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Clean the surface to be decorated removing any loose or flaking material. On old and crumbling surfaces, it is recommended to apply a coat of NEOFIX by OIKOS. On surface that are in good condition, proceed to apply a coat of the primer IL PRIMER by OIKOS.

Wait at least 8 hours before applying finishing products.

Application method

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Antique effect: using a brush, apply a coat of BIAMAX, diluted 10% - 15% with drinkable water, crossing over the brush strokes.

Plaster type finish: Using an inox steel trowel, apply 2 even coats of BIAMAX 07, leaving 7 ÷ 8 hours between coats. Before the second coat dries, proceed to smooth over the surface using the plastic trowel in circular movements.

Finishes

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Technical characteristics: application

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Dilution	Plaster type finish: BIAMAX 07 ready to use. Antique effect : 10 ÷ 15% with drinkable water.
Yield	Plaster type finish : 1,2 mq/l in two coats of BIAMAX 07. Antique effect : 3,5 ÷ 4 mq/l in one coat BIAMAX 07 4 ÷ 4,5mq/l in one coat BIAMAX 03
Application tools	Brush, inox trowel, plastic trowel
Primers	NEOFIX, IL PRIMER
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry	2 ÷ 3 h (temperature = 20°C with relative humidity at 75%)
Total drying time	12 ÷ 14 h (temperature = 20°C with relative humidity at 75%)
Time until possible to paint over	6 ÷ 8 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

Technical characteristics: the product

sez. 7

Composition	Acrylic resins in water dispersion, fillers of selected grain sizes, titanium dioxide, organic and inorganic pigments, active additives to aid application and formation of the surface film.
Specific weight	1,6 +/- 3% (White)
Grain size	BIAMAX 03: max 0,3 mm BIAMAX 07: max 0,7 mm
PH	8,5 ÷ 9,5
Viscosity	BIAMAX 03: 30.000 CPS +/- 5% Brookfield (RVT 20 revs/min.25°C) BIAMAX 07: 37.500 CPS +/- 5% Brookfield (RVT 20 revs/min.25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Permeability to water vapour Sd	BIAMAX 03: High ; Sd: 0,009 m (UNI EN ISO 7783-2:2001) BIAMAX 07: High ; Sd: 0,007 m (UNI EN ISO 7783-2:2001)
Resistance to detachment	BIAMAX 03: 2 MPa, break A/B (UNI EN ISO 4624:2006) BIAMAX 07: 2 MPa, break A/B (UNI EN ISO 4624:2006)
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	BIAMAX 03 Classification: A/a; VOC: 16 g/l (massimo); Phase I limits (dal 1.1.2007): 75 g/l, Phase II limits (dal 1.1.2010): 30g/l BIAMAX 07 Classification: A/a; VOC: 26 g/l (massimo); Phase I limits (dal 1.1.2007): 75 g/l, Phase II limits (dal 1.1.2010): 30g/l
Colours	White and shades of the Biamax chart on the tinting system DCS

Technical data sheet LIN/pr/00

	Decor Color System by OIKOS
Packaging	Liters 1 - 4 - 14

Toxicological data

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The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is considered to be a non-dangerous substance if used in the technically correct manner. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements

Specification

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Antique effect: apply, using a brush, a coat of BIAMAX, diluted 10% - 15% with drinkable water, crossing over the brush strokes.

Plaster type finish: apply, using an inox steel trowel, two even coats of BIAMAX 07, leaving 7 ÷ 8 hours between coats. Before the second coat is fully dry, proceed to smooth over the surface in circular movements using a plastic trowel.

All must be carried out in accordance with the norms of application, at a cost of m². inclusive of materials and labour.

Note

The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct.

Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put