

TECHNICAL DATA SHEET

----- DECOR -----

Imperium

Technical characteristics

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IMPERIUM by OIKOS is a metallic, decorative finish for interiors with a low environmental impact. The product allows the realisation of splendid decorative effects in a vast range of shades according to the type of tool used in application.

The techniques "gold leaf", "Silver leaf", "goldening" and "gold powder" give prestige and a sense of richness to contemporary settings, bringing to mind the lavishness of historical villas.

IMPERIUM, in its various colours, allows the decoration of contemporary interiors, creating original and unique surfaces full of energy, that valorises both the walls as well as the interior furnishings and fittings.

The product is within the limits of the norm 2004/42/CE regarding VOC emissions, it is non inflammable and is friendly to both humans and the environment.

Ideal uses

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Decoration of interior walls and furnishings.

Surface preparation

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Clean the surface to be painted, removing any loose or flaking material. Traces of dirt or grease must be removed using appropriate products.

As preparation for all the finishes, apply a coat of IL PRIMER by OIKOS, to insure perfect adhesion. Wait 6-8 hours until dry.

Gold/Silver leaf effect – Goldening - Metallic : screed the surface so that it is perfectly smooth using PASTES SCREED FOR WALLS by OIKOS, in order to achieve a flat, even and smooth surface. Wait until dry before applying a coat of NEOFIX by OIKOS to even and reduce the absorption of the surface.

Gold powder effect : apply by brush, as a base, one coat of white BIAMAX 03 or BIAMAX 07 by Oikos, crossing over the brush strokes. Wait 4 ÷ 6 hours until dry.

Application method

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Gold/Silver leaf: Dilute the product with 10% drinkable water. Apply IMPERIUM on small areas of the wall (approximately 50x50 cm) using a brush and immediately dab the area using the indicated TAMPONE IMPERIUM (Art 116). Wait 5-6 hours until dry before applying a second coat of the product in the same way as before.

Goldening: Dilute the product with 10% drinkable water. Apply IMPERIUM on small areas of the wall (approximately 50x50 cm) using a brush and immediately dab the surface using the indicated GUANTO IMPERIUM (Art 115). Wait 5-6 hours until dry before applying a second coat of the product in the same way as before.

Metallic: to obtain a smooth finish, apply two coats of IMPERIUM diluted 20% by spray (nozzle 1,3 mm)

First Coat: spray the product from left to right and back again from right to left with the spray guns nozzle set in the horizontal position. Following this spray from top to bottom and back again from bottom to top with the nozzle set in the vertical position and without waiting between the two coats. The crossing over of the two jets determines the evenness of the products application

Second Coat: once dry, after 3 ÷ 4 hours, repeat the application as per the first coat.

Gold powder: to obtain the "Gold Powder" effect, on top of white BIAMAX 03 or BIAMAX 07, apply by brush a coat of IMPERIUM diluted 15% with drinkable water, crossing over the brush strokes.

Finish/Protection

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Technical characteristics: application

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| Dilution/mix | Gold/Silver leaf – Goldening: 10% with drinkable water Metallic: 20% with drinkable water Gold powder: 15% with drinkable water |
| Yield | Gold/Silver leaf – Goldening: 6 ÷ 7 mq/l in two coats Metallic: 6 mq/l in two coats Gold powder: on BIAMAX 03 : 8 mq/l, on BIAMAX 07 : 7 mq/l |
| Application tools | Brush, spray (nozzle 1,3), Guanto Imperium (art. 115), Tampone Imperium (art. 116) |
| Fixative | NEOFIX |
| Base coat | PASTE SCREED FOR WALLS, BIAMAX 03 or BIAMAX 07 by OIKOS |
| Application temperature | +5°C ÷ +36°C (with relative humidity not exceeding 80%) |
| Tack free time | 2 ÷ 4 hours (temperature = 20°C with relative humidity at 75%) |

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| Drying time – until washable | 7 days (temperature = 20°C eith relative humidity at 75%) |
| Total drying time | 36 hours (temperature = 20°C with relative humidity at 75%) |
| Time until possible to paint over | 6 hours (temperature = 20°C with relative humidity at 75%) |
| Tools cleaning | Water |
| Warning | The product tends to sediment. Mix and shake mechanically before use. |

Technical characteristics: the product

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| Composition | Special acrylic resins in water dispersion, organic and inorganic pigments, metallic pigments, additives to aid application and formation of the surface film |
| Specific weight | 1,1 +/- 3% |
| Gloss level | 45 ÷ 70 gloss (riflexmeter Ericksen 500/60°) |
| pH | 8 ÷ 9 |
| Viscosity | 3.000 ÷ 6.000 CPS +/- 5% Brookfield (RVT 20 revs/min. a 25°C) |
| Storage temperature | +2°C ÷ +36°C. Keep from freezing |
| Reaction to fire | Negative if the product is applied on a non inflammable base; water based material with a dry thickness of less than 0,600 mm. |
| Resistance to washing | Class 1; UNI EN ISO 11998:2003 (Class 1: Max – Class 5: min) |
| Adhesion to base (grid incision) | Class 0; UNI EN ISO 2409:1996 (Class 0: Max – Class 5: min) |
| Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE | Classification: A/b; VOC:50 g/l (max); Limit Phase I (from 1.1.2007) : 150 g/l, Limit Phase II (from 1.1.2010): 100 g/l |
| Colours | Shades of the colour chart on the DCS tintometric system, Décor Color System by OIKOS |
| Packaging | Liters 1 – 2,50 |

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.

Specifications

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Clean the surface to be painted removing any loose or flaking material. Traces of dirt or grease must be removed using appropriate products. Clean the surface and apply IL PRIMER by OIKOS as a base coat to insure perfect adhesion. Wait until the coat of IL PRIMER is dry and then prepare the base according to the chosen finish. Following this, apply a metallic product such as IMPERIUM by OIKOS, in one or two coats according to the desired final effect. Carry out the chosen finish using the tool recommended to achieve the desired effect. All must be carried out in accordance with the norms of application and at a cost of per m² including material and application.

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.