

# IMPERIUM

METALLIC  
DECORATIVE FINISH

## TECHNICAL DATA SHEET n. INT/im/01

www.oikos-group.it/imperium

### Technical Qualities

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 Use

Decoration of interior walls and furnishings.

### The product

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 0,600mm
Permeability to water vapour Sd	<ul style="list-style-type: none"><li>• High</li><li>• Sd: 0,008m (UNI EN ISO 7783-2:2001)</li></ul>
Resistance to washing	<ul style="list-style-type: none"><li>• Class 1</li><li>• UNI EN ISO 11998:2003 (Class 1: Max – Class 5: min)</li></ul>
Adhesion to base (grid incision)	<ul style="list-style-type: none"><li>• Class 0</li><li>• UNI EN ISO 2409:1996 (Class 0: Max – Class 5: min)</li></ul>
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	<ul style="list-style-type: none"><li>• Classification: A/b</li><li>• VOC: 50g/l (max)</li><li>• Limit Phase I (from 1.1.2007): 150g/l</li><li>• Limit Phase II (from 1.1.2010): 100g/l</li></ul>
Colours	Shades of the colour chart
Packaging	Liters 1 - 4

### Surface Preparation

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 STUCCO IN PASTA PER RASATURA 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

**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 Sponge Pad 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 Sponge Glove 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 1,3mm).

**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.

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### Finish

To achieve a finish with brilliant reflections, it is possible to mix with WATINS LUX or IGROLUX the additive DECORGLITTER by Oikos (the best result are achieved on Metallic and Gold Powder effects).

### Safety information

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.

### The application

Dilution	<ul style="list-style-type: none"><li>• Gold/Silver Leaf – Goldening: 10% with drinkable water</li><li>• Metallic: 20% with drinkable water</li><li>• Gold Powder: 15% with drinkable water</li></ul>
Indicative yield	<ul style="list-style-type: none"><li>• Gold/Silver Leaf – Goldening: 6 ÷ 7 m<sup>2</sup>/l in two coats</li><li>• Metallic: 6 m<sup>2</sup>/l in two coats</li><li>• Gold Powder<ul style="list-style-type: none"><li>- on BIAMAX 03: 8 m<sup>2</sup>/l</li><li>- on BIAMAX 07: 7 m<sup>2</sup>/l</li></ul></li></ul>
Application tools	Brush, spray (nozzle 1,3), Sponge Glove Imperium (art. 115), Sponge Pad Imperium (art.116)
Fixative	NEOFIX
Base coat	STUCCO IN PASTA PER RASATURA, 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%)
Drying time – until washable	7 days (temperature = 20°C with 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.

### Specifications

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..... m<sup>2</sup> including material and application.