

## Technical qualities

IMPERIUM by OIKOS is an ecological decorative paint to be used indoors or outdoors, which recreates the special effects that come from precious metals, both in a shiny metallic and matte version with a range of colours and textures depending on the tool used. Imperium lends sumptuousness and prestige to contemporary environments, enriching them with precious elements from history, creating new surfaces that are full of energy, embellishing walls and interior furniture in a unique, original way. The product is washable, scratch resistant, non inflammable and contains no added formaldehyde.

## Application areas

Decoration of interior and exterior walls and furnishings.

## Surface preparation

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

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

**Gold/Silver leaf, Gilding and Metallic effects:** perfectly screed the surface using PASTE SCREED FOR WALLS by OIKOS, in order to obtain a smooth, even surface. Wait until dry, then apply a coat of NEOFIX by OIKOS in order to reduce and render homogeneous the absorption of the surface.

**Gold dust effect :** using a brush, apply a coat of white IMPERIUM 03 by OIKOS as a base, crossing over the brush strokes. Wait 6 ÷ 8 hours until dry.

For other finishes, follow the indications specified in the application method.

## How to apply

**Gold leaf/Silver leaf:** Dilute the product 10% with drinkable water. Using a brush, apply IMPERIUM on small sections of the surface (approximately 50x50 cm) and then immediately dab the whole surface using the SPONGE PAD (Art 116). Wait 5-6 hours until dry and then apply a second coat of the product using the same method. Yield 6-7 m<sup>2</sup>/lt

**Gilding:** Dilute the product 10% with drinkable water. Using a brush, apply IMPERIUM on small sections of the surface (approximately 50x50 cm) and then immediately dab the whole surface using the SPONGE GLOVE (Art 115). Wait 5-6 hours until dry then apply a second coat of the product using the same method. Yield 6-7 m<sup>2</sup>/lt

## Application

Dilution	Dilute with drinkable water according to the effect to be achieved
Yield	The yield varies according to the effect desired
Application tools	According to the effect to be realised
Fixative	NEOFIX
Base coat	STUCCO IN PASTA PER RASATURA, IMPERIUM 03 by OIKOS
Application temperature	+5 °C ÷ + 36°C (with relative humidity not exceeding 80%)
Drying time touch dry	2 ÷ 4 h (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 h (temperature = 20°C with relative humidity at 75%)
Time until possible to paint over	6 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water
Warning	The product tends sediment: mechanically mix and shake thoroughly before use

## Product

Composition	Special acrylic resins in water dispersion, organic and inorganic pigments, metallic pigments and additives to ease application and the formation of the surface film.
Specific weight	1,1 +/- 3%
Level of gloss	45 ÷ 70 gloss (reflexometer Ericksen 500/60°)
PH	8 ÷ 9
Viscosity	3.000 ÷ 6.000 CPS +/- 5% Brookfield (RVT 20 revs/min. at 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Reaction to fire	Euroclass B-s1,d0 (EN 13501-1:2019)
Resistance to washing and abrasion on wet	Class 1; UNI EN ISO 11998:2003 (Class 1: Max - Class 5: min)
Test of adhesion to base coat (grid incision)	Class 0; UNI EN ISO 2409:1996 (Class 0: Max - Class 5: min)
Reaction to fire	Euroclass B-s1,d0 (EN 13501-1:2019)
Emission limits of Volatile Organic Compound (VOC), according to the directive 2004/42/CE	Classification: A/b; VOC: 50 g/l (max); Limit Phase I (from 1.1.2007): 150 g/lt, Limit Phase II (from 1.1.2010): 100 g/lt
Colours	Shades of the colour chart
Packaging	Litres 0,25 - 1 - 4

**Metallic:** In order to obtain a smooth even finish, spray two coats of IMPERIUM diluted 20% (nozzle 1,3 mm).

First Coat: Spray the product onto the surface moving the spray gun from left to right and from right to left, setting the nozzle on the spray gun in a horizontal direction. Following this, spray the surface from top to bottom and then back from bottom to top, setting the nozzle in a vertical position and without waiting between coats. The changing of the orientation of the two spray jets will determine the uniformity of the application of the product.

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

Yield 6-7 m<sup>2</sup>/lt

**Polvere d'Oro:** To obtain the "Gold dust" effect, on top of sandy IMPERIUM 03, using a brush, apply a coat of IMPERIUM diluted 15% with drinkable water, crossing over the brush strokes. Yield 7-8 m<sup>2</sup>/lt

**Oro Antico:** After having screeded the surface, apply a coat of IL PIGMENTATO (N 168) diluted 50% with drinkable water. Once dry, using an inox steel trowel, apply a coat of ULTRASATEN OPACO (B 715) in vertical bands from top to bottom. Once dry, using the same method, apply a coat of IMPERIUM diluted max 15% with drinkable water. Proceed in 30-40cm wide bands, passing back over them several times so that in certain areas the product is pulled away by the

trowel as it dries exposing the base coat. Yield: ULTRASATEN 7-9 m<sup>2</sup>/lt, IMPERIUM 15-20m<sup>2</sup>/lt

**Delabrè:** After having screeded the surface and consolidated it using the sealer NEOFIX, using a ROLLER FOR ENAMELS (Art. A04) apply a coat of IMPERIUM, diluted 50% with drinkable water, taking care to distribute the product evenly. Once dry, apply another coat of IMPERIUM, diluted 30% with drinkable water, using an Inox steel trowel, avoiding having to repeatedly pass over the same area. In order to obtain as even an effect as possible, apply a second coat using less material than in the first. Yield: IMPERIUM 10-12 m<sup>2</sup>/lt

**Spazzolato:** After having screeded the surface and consolidated it using the sealer NEOFIX, apply ULTRASATEN OPACO (B 715) until the surface is completely covered. Once dry, using a SPANISH BRUSH (Art. 140/149) apply IMPERIUM (IMP 264) diluted 40% with water, in vertical bands, go back and immediately pass back over the surface using a BRISTLE PAD (Art. 135) emphasizing the vertical lines. Once dry, apply a second coat in the same way. The effect can be created with a variety of combinations between the base colour and the colour of the finish. Yield: ULTRASATEN OPACO 8-10m<sup>2</sup>/lt, IMPERIUM 6-7 m<sup>2</sup>/lt

All above listed finishes can also be achieved in the matt version by using IMPERIUM OPACO.

For outdoors application, the application cycle shall be agreed upon and verified with the Oikos Technical Assistance, depending on the surface to be decorated and on its exposure.

## Finishes and Protective Coatings

To obtain a sparkling finish, it is possible to mix the additive DECORGLITTER by Oikos into the product. (the best decorative effect is obtained in the Metallic and Polvere d'Oro finishes).

## Safety information

The product does not contain any heavy metals such as Chrome or Lead nor does it contain any toxic solvents, aromas and chlorate. 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... 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. Safety data sheet available on request.

## Specifications

Clean the surfaces to be painted, removing any loose or flaking material. Traces of dirt or grease should be removed using specific products. Prepare the surfaces in order to realise the chosen finish. Apply an ecological paint with a metallic finish in Class 1 washability and reaction to fire Euroclass B-s1,d0 (EN 13501-1:2019) such as IMPERIUM by OIKOS, according to the final effect to be achieved. Create the chosen finish using the recommended tools for the selected effect. All must be carried out in accordance with the norms of application, at a cost of ..... m<sup>2</sup> inclusive of materials and labour.

## Note

The company Oikos Spa 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.

## Description

IMPERIUM 03 is an ecological paint with 03mm grain size, ideal as a base coat to achieve the effect Polvere d'Oro, that combines the preciousness of the metallic finish with a rough base coat. IMPERIUM 03 is filling and masking, which allows to achieve the gilding technique also on uneven surfaces. IMPERIUM 03 is vapor-permeable and resistant to abrasion.

## Ideal Use

Decoration for interior walls.

## Surface Preparation

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 surfaces 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

Using a brush, apply a coat of IMPERIUM 03, diluted 10% - 15% with drinkable water, crossing over the brush strokes.

## Finishes and protection

To achieve the "Polvere d'Oro" finish, apply by brush one coat of IMPERIUM in the chosen shade, diluted 15% with drinkable water, crossing over the brush crosses.

## 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.

## Application

Dilution	10 ÷ 15% with drinkable water.
Yield	4 ÷ 4,5 mq/l in one coat
Application tools	Brush
Primers	NEOFIX, IL PRIMER by OIKOS
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time 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%)
Tool cleaning	Water

## Product

Composition	Acrylic resins in water dispersion, fillers of selected grain sizes, titanium dioxide, organic and inorganic pigments, additives to aid application and formation of the surface film.
Specific weight	1,6 kg/l +/- 3% (White)
pH	8,5 ÷ 9,5
Viscosity	30.000 CPS +/-5% Brookfield (RVT 20revs/min.25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Permeability to water vapour Sd	IMPERIUM 03: High; Sd: 0,009 m (UNI EN ISO 7783-2:2001)
Water vapour permeability Sd	0.04 m (UNI EN ISO 7783-2:2001)
Resistance to detachment and adhesion	2 MPa, break A/B (UNI EN ISO 4624:2006)
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42 CE	Classification: A/a; VOC: 16 g/l (max); Phase II limits (from 1.1.2010): 30g/l
Colours	White
Packaging	1 - 4 - 14 litres

## Specifications

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 an acrylic sealer such as NEOFIX by OIKOS. On surfaces that are in good condition, proceed to apply a coat of the primer IL PRIMER by OIKOS. Apply, using a brush, a coat of IMPERIUM 03, diluted 10% - 15% with drinkable water, crossing over the brush strokes.

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

## Note

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