

# PLAMINA

## Interior decorative with metallic effect

### DESCRIPTION

Plamina Isoplam<sup>®</sup> is a decorative coating for interiors composed of special solvent-free binders and precious metal powders.

Plamina allows you to create exclusive polishable metal effects that enhance the surfaces on which they are applied.

Plamina Isoplam<sup>®</sup> is available in the following versions:

- bronze;
- iron;
- brass;
- tin;
- copper;
- zinc.

### FIELDS OF USE

Plamina<sup>®</sup> Isoplam<sup>®</sup>, with a suitable primer, can be applied on objects (furnishing accessories, shop counters ...), walls and ceilings made up of:

- old or new plasters based on hydraulic binders;
- gypsum and lime based plasters;
- synthetic or mineral paints;
- drywall;
- concrete;
- wood, MDF, plywood, chipboard and similar;
- fiber cement;
- metal;
- PVC.

### ADVANTAGES

Plamina Isoplam<sup>®</sup>:

- consists of solvent-free products;
- it is easy to apply;
- it allows to obtain rough or smooth metallic materic effects that become, through polishing, shiny;
- it is not attackable by molds.

### SUPPORT PREPARATION

- In the presence of new but cured and dry surfaces (concrete, plaster, gypsum and plasterboard) apply a coat of colored Deco Primer Finish Isoplam<sup>®</sup>.
- In the presence of dry old surfaces (civil plasters, tempera, transpiring), brush by removing the dust well with a damp cloth and then apply a coat of colored Deco Primer Finish Isoplam<sup>®</sup>.
- In the presence of surfaces showing mold, treat in advance with Iso San Isocolor<sup>®</sup> and apply a coat of colored Deco Primer Finish Isoplam<sup>®</sup>.
- In the presence of dry surfaces that are chalking, incoherent or treated with waxes or soaps, sand, clean the surface thoroughly by removing the dust well with a damp cloth and apply a coat of Isolprimer Isocolor<sup>®</sup> water-based fixative and then colored Deco Primer Finish Isoplam<sup>®</sup>.

Deco Primer Finish Isoplam<sup>®</sup> is a fine-grained, water-based primer, ideal as an adhering undercoat for decorative finishes. It is advisable to lightly sand (and clean off the dust well) the Deco Primer Finish once applied and dry in order to reduce the consumption of the Plamina. It is advisable to color Deco Primer Finish in advance with a shade that approaches the color of the chosen metal.

## PREPARATION OF THE MIX

The mixing ratio (by weight) of the three components is:  
1 part comp A + 1 part comp B + 4 parts metal

**Ex: for 1 m<sup>2</sup> there is an indicative consumption of: 0.15 Kg of comp A + 0.15 Kg of comp B + 0.6 kg of metal**

Homogenize component A to avoid possible sedimentation.  
Pour component B into component A and mix for about 2 minutes with a mixer at low speed.  
Gradually add, continuing to mix, Plamina Metallo powder until a homogeneous mixture is obtained.  
The mixture thus obtained must be mixed frequently in order to prevent the formation of sediments on the bottom of the container.  
The mix has a workability time of about 30-60 minutes depending on the temperatures.

Note: for vertical application (ex. Walls) and to obtain smooth and uniform effects, it is recommended to use Isoplam® Addensante for Plamina: 1% must be added to the mixture to prevent dripping of the product.  
In this way it is also possible to create decorative effects with the special rollers.

## APPLICATION, SANDING AND POLISHING

The temperature of use must be between 10°C and 30°C. Do not use in extreme temperatures. Do not use in the presence of rising damp.

On a properly prepared and completely dry surface, apply the mixture with a flexible spatula, creating a thin layer.

Clean the equipment with water immediately after use.

In case of partial use of the packs, the 3 components must be carefully dosed by weight (not by volume) in the proportions indicated. Any unused mixture should never be placed in closed containers but disposed of.

Once completely hardened, after about 48 hours (depending on the type of substrate and environmental conditions), it is possible to proceed with the sanding which will be performed with abrasive discs Abranet in the following sequence:

1. grit 80
2. grit 120
3. grit 180
4. grit 240
5. grit 320.

It is suggested to modulate the sanding speed (always starting with low speeds) according to the aesthetic result that appears and the state of wear of the disc. It is recommended not to overheat the surface and to remove dust residues after each step.

Continue with the polishing with sponge disks Abralon in the following sequence:

1. grit 500
2. grit 1000
3. grit 2000
4. grit 4000.

It is suggested to modulate the polishing speed according to the aesthetic result that appears and the state of wear of the disc. It is recommended not to overheat the surface and to remove dust residues after each step.

After polishing, clean the surface with a microfibre cloth with the help of a neutral detergent.

To obtain an even more appreciable aesthetic effect, a polishing paste for metals (PLamina Lux) can be applied using a lambswool cap for polishing.

## TECHNICAL FEATURES

Appearance component A	Clear liquid
Appearance component B	Amber liquid

Appearance component metal	Powder (appearance and color depend on the type of Plamina Metallo chosen)
Mixing ratio by weight (A+B+metal)	1:1:4
Pot Life of the mixture A+B+metal	Ca 30 minutes at 25°C, RH 60%
Touch drying of the mixture A+B+metal	Ca 12 hours at 20°C
Sanding	After at least 48 hours at 20°C

### CONSUMPTION

The overall consumption of the Plamina mixture varies from 0,8 to 1,2 kg / m<sup>2</sup> according to the type of substrate and the finish to be obtained.

1 Kit, consisting of 1 kg A + 1 kg B + 4 kg metal, allows you to create a smooth glossy effect of about 8 m<sup>2</sup> on a smooth and not very absorbent support.

It is recommended to carry out preliminary tests to determine the actual consumption.

### PACKAGING

Plamina is sold in packs consisting of:

- Plamina comp. A in packs of 1 Kg + Plamina comp. B in packs of 1 Kg;
- Plamina Metallo (metallic powder in the 6 versions) in 1 kg or 4 Kg packs;
- Addensante per Plamina in packs of 1 Kg.

### STORAGE, EXPIRY, WARRANTY AND SECURITY

Store in a cool and safe place at temperatures between 5°C and 30°C.

Keep containers tightly sealed.

The shelf life of the three components is 12 months, protected from humidity and in the original sealed packaging.

The packaging date is shown on the package (the lot number indicates, in sequence, year/week/day).

Consult the Safety Data Sheet of the products before use.

#### IMPORTANT

The products that make up Plamina Isoplam® are formulated to be used as in the application indicated above. The addition of any other product to the system compromises the final result of the surface. All the information contained in this sheet is based on the best practical and laboratory experiences. It is the customer's responsibility to verify that the product is suitable for the intended use.

The manufacturer declines all responsibility for the results of incorrect applications. It is advisable to always carry out tests on small surfaces before application. The data can be changed at any time. This sheet replaces and cancels the previous ones. The products are intended for professional use. Anyone who uses these products without being enabled does so at their own risk.

Isoplam Srl periodically organizes courses for its customers who request them.