



# INTOCOL A

**CEMENT-BASED ADHESIVE FOR COATINGS AND FLOORS CLASS C1**  
Compliant with UNI EN 12004:2012



## DESCRIPTION

Premixed adhesive based on cement, class C1, for the internal and external laying of floors and coatings, with high workability and extended open time, with an high and constant quality level, produced with an automated system.

## COMPOSITION

White or grey cement, selected siliceous aggregates with grading from 0 to 0,6 mm, special resins, natural additives tested for the specific use which give to the product a very high adhesion and workability.

## FEATURES

An accurate and selective choice of the main materials made with a perfect grading curve, thanks to the use of our own crush system, produce just adding water a mortar very plastic and easily workable. Used as adhesive alloys perfectly on every type of substrate internal and external but stable. No cracks, no detachment it's breathable and impact resistant. Is the ideal adhesive to lay inside and outside floors and coatings with an average absorption.



**AVIABILITY**  
**INTOCOL A/B**  
**INTOCOL A/G**

white;  
grey;

## USE

INTOCOL A is a premixed cement-based adhesive at compensated shrinkage and controlled dry with high workability, frost-proof with excellent characteristics of registrability, excellent resistance to moisture, aging, acids and alkalis. Ideal for the laying of floors and coatings with an average absorption and with sizes up to 30x30 cm and on absorbent and non particularly smooth substrates, to apply directly on every kind of interior and exterior but stable as: old and new plasters based on lime and cement, gauged mortars, premixed or traditional cementitious screeds. Specific to lay every type of coating and floor as: ceramic floors, cotto tiles, and in general floors and coatings with an average absorption.

## APPLICATION

- Prepare the substrates, removing all the crumbling and inconsistent parts and dusts, mud, bitumen, oil stains, etc.
- Wet in advance particularly absorbent or dry or exposed to hot climates walls.
- To mix by hand or with a mixer at low speed 'till when the mixture isn't homogeneous.
- INTOCOL A must be applied with a notched trowel compressing surfaces first with the smooth side of the trowel and then with the toothed part so as to homogenize the absorption thus not affecting the performance of the adhesive, is recommended for applications of external coatings to spread the product also on the back of the tiles to avoid trapping cavity.
- Make sure that during the application there is no a superficial film, in this case wipe with fresh product.
- For difficult substrates mix INTOCOL A with latex "INTOGUM".
- To improve the adhesion and the elasticity mix with "INTOELASTIC".
- With high temperatures, wind and low humidity, is recommended to protect from the quick drying moistening the substrates.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- For direct application on autoclaved foamed concrete blocks; mix with "INTOELASTIC" (acrylic dispersion) instead of the water of the mix, obtaining on this way a very elastic and deformable adhesive to apply directly on autoclaved foamed concrete blocks non plastered, on which must be applied beforehand the primer "INTOAGGRAPPO".
- To obtain a very deformable adhesive and with a very high adhesion to use on substrates with a strong dimensional change and with a hard adhesion, mix with "INTOELASTIC".



# INTOCOL A



- Apply on gypsum, anhydride, foamed concrete substrates, previously treated with bonding mortar "INTOAGGRAPPO" to apply at least 4/6 hours before.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- Don't apply on reinforced concrete substrates.
- Don't apply on non absorbent or painted substrates.
- Don't apply on wood substrates, walls in plasterboard, metal surfaces, in rubber, pvc, linoleum and in general on substrates subjected to strong vibrations.
- Don't use to lay tiles with a thickness adhesion higher to 5 mm.
- Don't use to lay tiles not absorbent as gres, single fired tiles and klinker etc. or on other floors or coatings not absorbent.
- Don't apply with strong wind or in very sunny days.
- Don't apply until when the substrate hasn't completely dried.
- Don't apply with driving rain.
- Don't apply on old floors and ceramic covers, wood, metal, rubber, vinyl floors, linoleum.
- Don't add any other material to the product.
- We suggest to apply INTOCOL A with a temperature between + 5 ° C and + 30 ° C.
- Can be walked on 24/48 hours at least.
- Hardening time 13/15 days at least.
- Waiting time for wall joints 6/8 hours at least.
- Waiting time for floor joints 24/48 hours at least.

## YIELD

2/5 kg/mq.

## PACKAGING

Multi-ply paper sacks with protection of kg 25 on wood pallets of 17,50 ql. (70 sacks).

## TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 12004:2012

### Water content of the mix

### Grading EN 1015-1

### Specific Weigth EN 1015-10

### PH mixed

### Open Time EN 1346

### Duration of the mix

### Initial tensile adhesion strength after 28 days EN 1348

### Tensile adhesion strength after water immersion EN 1348

### Tensile adhesion after heat ageing EN 1348

### Tensile adhesion strength after freeze-thaw cycles EN 1348

### Heat resistance

### Toxicity - Regulation CE 1272/08

### Classification UNI EN 12004: 2012

~23-24%

≤ 0,6 mm

1.200 kg/m<sup>3</sup> ± 10%

12

>20 minutes

8 hours

>0,5 N/mm<sup>2</sup>

>0,5 N/mm<sup>2</sup>

>0,5 N/mm<sup>2</sup>

>0,5 N/mm<sup>2</sup>

From- 30 ° C to + 90 ° C

Danger

C1/DOP nr. 143

## SUMMARY

The laying of ceramic floors and covers inside and outside will be realized with a premixed powder adhesive based on cement type "INTOCOL A" by MALVIN S.r.l., applied by hand and to mix just adding water, with a consumption of 2/5 kg/mq, classification C1 compliant with UNI EN 12004:20012.

*The performance characteristics refer to laboratory tests, values depend on the weather conditions and on the methods of implementations. The operator must verify the suitability of the product depending on the use planned.*



# MALVIN



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