



# INTOCOL SS FLEX

**SPECIAL CEMENT-BASED ADHESIVE WITH GOOD DEFORMABILITY FOR COATINGS AND FLOORS CLASS C2 T E**  
Compliant with UNI EN 12004:2012

## DESCRIPTION

Premixed cement-based adhesive class C2 T E for the laying inside and outside of floors and coatings, with high workability, extended open time, more adhesion and a good ability to absorb the deformations of the substrate, no vertical slip. Specific for floors and coverings also non absorbent, natural stones, in overlap of non-absorbent materials, big sizes, screeds with underfloor heating.

## 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 for



laying inside and outside floors and covers also non-absorbent and natural stones and in overlap of non-absorbent materials, big sizes, screeds with underfloor heating.

## AVIABILITY

**INTOCOL SS FLEX/B**  
**INTOCOL SS FLEX/G**

white;  
grey;

## USE

INTOCOL SS is a premixed cement-based adhesive at compensated shrinkage and controlled dry with high workability, extended open time and more adhesion, a good ability to absorb the deformations of the substrate, no vertical slip, frost-proof with excellent registrability, excellent resistance to moisture, aging, acids and alkalis. Ideal for the laying of non absorbent floors and coatings and natural stones and in overlap of materials non absorbent, specific for big sizes higher than 60x60 cm and on smooth and non-absorbent substrates too, 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, smoothed concrete floors, aged concrete, old tiles and natural stones substrates, heating floors. Specific for the laying of every kind of floor and covering as: ceramics, cotto tiles, natural stones, gres, etc. Specific for the gluing of floors on screeds with underfloor heating.

## 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 SS FLEX 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.
- If the adhesive forms a film on the surface wipe it with fresh product.
- For difficult substrates mix INTOCOL SS FLEX with latex "INTOGUM".
- For application on autoclaved foamed concrete blocks and generally to improve the adhesion and the workability, mix with "INTOELASTIC" (acrylic dispersion) instead of water, obtaining on this way a very elastic and deformable adhesive to apply directly on autoclaved foamed concrete blocks not plastered, to this product must be applied in advance primer "INTOAGGRAPPO".



# INTOCOL SS FLEX



- 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.
- Apply on gypsum, anhydride, foamed concrete substrates, previously treated with bonding mortar "INTOAGGRAPPO" to apply at least 4/6 hours in advance.
- Don't apply on painted substrates.
- 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 wood, metal, rubber, vinyl floors, linoleum and generally on substrates subjected to strong vibrations.
- Don't add any other material to the product.
- We suggest to apply INTOCOL SS FLEX 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

<b>Water content of the mix</b>	~24-26%
<b>Grading EN 1015-1</b>	≤ 0,6 mm
<b>Specific Weight EN 1015-10</b>	1.200 kg/m <sup>3</sup> ± 10%
<b>PH mixed</b>	12
<b>Open time EN 1346</b>	>30 minutes
<b>Duration of the mix</b>	8 hours
<b>Initial tensile adhesion strength after 28 days EN 1348</b>	> 1 N/mm <sup>2</sup>
<b>Tensile adhesion strength after water immersion EN 1348</b>	> 1 N/mm <sup>2</sup>
<b>Tensile adhesion strength after heat ageing EN 1348</b>	> 1 N/mm <sup>2</sup>
<b>Tensile adhesion strength after freeze-thaw cycles EN 1348</b>	> 1 N/mm <sup>2</sup>
<b>Vertical slip EN 1308</b>	< 0,5 mm
<b>Flexibility</b>	Good
<b>Heat resistance</b>	From - 30 ° C to + 90 ° C
<b>Toxicity - Regulation CE 1272/08</b>	Danger
<b>Classification UNI EN 12004:2012</b>	C2 TE/DOP nr. 147

## SUMMARY

The laying of floors and coatings inside and outside also in overlap of old ceramic or natural stones substrates, also on floors with underfloor heating, will be realized with a premixed powder adhesive with extended open time and more adhesion and good ability to absorb the substrate deformations and no vertical slip based on cement, type "INTOCOL SS FLEX" by MALVIN S.r.l., applied by hand and to mix just adding water, with a consumption of 2/5 kg/mq, with classification C2 T E compliant with UNI EN 12004:2012.

*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



SEDE LEGALE E STABILIMENTO • Zona ASI - SS 7 Bis Km 15,400 - 81030 Gricignano di Aversa (CE)  
TEL. + 39 081 8132780 - 5029713 • Numero Verde 800 - 142 999 • FAX + 39 081 5029748 • commerciale@malvinsrl.com - www.malvinsrl.com