

INTOCOL PC



**ADHESIVE AND SKIM COAT PLASTER MADE OF HYDRAULIC BINDERS
SPECIFIC FOR AUTOCLAVED FOAMED CONCRETE BLOCKS TYPE YTONG AND GASBETON
Compliant with UNI EN 998-2**

DESCRIPTION

Is a premixed adhesive/skim coat plaster based on hydraulic binders with an high and constant quality level, produced with an automated system, to apply by hand, specific for the anchorage and the skim coating of the autoclaved foamed concrete blocks (type Ytong and Gasbeton).

COMPOSITION

Hydraulic binders, selected siliceous aggregates with grading from 0 to 0,6 mm, 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. No cracks, no detachment, it's breathable and impact resistant. Is the ideal product for the gluing and the skim coating inside and outside of autoclaved foamed concrete blocks (type Ytong and Gasbeton).



AVIABILITY BINDER

INTOCOL PC/B natural white;
INTOCOL PC/G natural grey;

RESISTANCE CLASS

M5
M10
M15

USE

INTOCOL PC is a premixed adhesive/skim coat plaster based on hydraulic binders at compensated shrinkage and controller dry, frost-proof with excellent registrability, very good resistance to moisture, ageing, to acids and alkalis. Specific for the laying and the skim coating inside and outside of autoclaved foamed concrete blocks.

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.
- Apply the first row of blocks using a cement-based masonry mortar type "MALTAMUR".
- INTOCOL PC must be applied with a notched trowel to have joints with a constant thickness of mm. 3 at least. To improve the adhesion and the elasticity mix with "INTOELASTIC" diluted 1:5 with clean water.
- INTOCOL PC can be used also as skim coat plaster but just after the treatment of the foamed concrete blocks with bonding mortar "INTOAGGRAPPO" and taking care to insert inside the skim coat plaster MALVIN NET network port plaster in glass fiber mesh 4x4 mm, of min. 150 gr, certified ETAG004, never applying a thickness higher than mm 5.
- Always follow the installation instructions given by manufacturers of the autoclaved foamed concrete blocks.
- Don't use for the assembly of masonry with leaks with a thickness higher to 6 mm or for panels or gypsum blocks.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- Don't apply with strong wind or in very sunny days.
- Don't apply until when the substrate isn't completely dried.
- Don't apply on inconsistent and friable substrates.
- Don't apply with driving rain.
- Don't add any other material to the product.



- We suggest to apply INTOCOL PC with a temperature between + 5 ° C and + 30 ° C.
- Waiting time for skim coating 13/15 days at least.
- Waiting time for painting 20/22 days at least.

YIELD

AS ADHESIVE AS SKIM COAT PLASTER

One kg. 25 sack for 1 m³ of masonry of cm 8, thickness applied mm 2/5.
1,3 kg/mq for each mm of thickness.

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 998-1 AND 998-2

	M5	M10	M15
Water content of the mix	~19/21%	~19/21%	~19/21%
Grading EN 1015-1	≤ 0,6 mm	≤ 0,6 mm	≤ 0,6 mm
Specific weight ± 5% EN 1015-10	1.300 Kg/m ³	1.300 Kg/m ³	1.300 Kg/m ³
PH mixed	12	12	12
Chlorides EN 1015-17	< 0,1% p/p	< 0,1% p/p	< 0,1% p/p
Correction Time EN 1015-9	30 minutes	30 minutes	30 minutes
Workability time EN 1015-9	3 hours	3 hours	3 hours
Compressive strength after 28 days EN 1015-11	≥ 5 N/mm ² (M5)	≥ 10 N/mm ² (M10)	≥ 15 N/mm ² (M15)
Flexural strength after 28 days EN 1015-11	≥ 2 N/mm ²	≥ 4 N/mm ²	≥ 6 N/mm ²
Adhesion after 28 days EN 1015-12	≥ 0,80 N/mm ²	≥ 1,20 N/mm ²	≥ 1,50 N/mm ²
Initial shear adhesion (printout) EN 998-2	0,30 N/mm ²	0,30 N/mm ²	0,30 N/mm ²
Toxicity - Regulation CE 1272/08	danger	danger	danger
Water vapor diffus. resistance factor EN 1015-19	5 < μ < 20	5 < μ < 20	5 < μ < 20
Water vapor diffus. resistance factor EN 1015-19	μ ≤ 12	μ ≤ 12	μ ≤ 12
Water abs.coeff. due to capillary action EN 101518	0,36 Kg/(m ² •min ^{0,5})	0,36 Kg/(m ² •min ^{0,5})	0,36 Kg/(m ² •min ^{0,5})
Fire reaction EN 998-2	Class "A1"	Class "A1"	Class "A1"
Thermal conductivity coeff. (printout) EN 1745 p.A.12	λ _{10,dry,mat} = 0,39 W/mK	λ _{10,dry,mat} = 0,39 W/mK	λ _{10,dry,mat} = 0,39 W/mK
Classification UNI EN 998-1:2010	GP CSIII W1 -DOP nr. 4	GP CSIV W1 - DOP nr. 5	GP CSIV W1 - DOP nr. 6
Classification UNI EN 998-2:2010*	T - M5 DoP nr. 1	T - M10 DoP nr. 2	T - M15 DoP nr. 3

* guaranteed performance (2+)

SUMMARY

Internal and external masonries in autoclaved foamed concrete blocks will be realized and skim coated with a premixed adhesive/skim coat plaster based on hydraulic binders type "INTOCOL PC" by MALVIN S.r.l., applied by hand and to mix just adding water, with a consumption as adhesive of kg 25 for 1 m³ of masonry of 8 cm, thickness applied mm 2/5, as skim coat plaster of 1,3 kg/mq for each mm of thickness.

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.



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