



INTOKEM

Premixed lime and cement base plaster, with additive with anti-shrinkage fibers. Low modulus of elasticity. For indoors and outdoors



TECHNICAL FEATURES

INTOKEM is a primer plaster for mechanized application, for walls and ceilings, based on high mechanical strength Portland cement, hydrated lime, selected mineral fillers, anti-shrinkage fibers and synthetic additives, mixed together according to the formulation method of the **HERAKEM** laboratory.

INTOKEM is characterized by a low modulus of elasticity and by the excellent characteristics of workability and practicality of use that allow technically very performing projects in a short time.

INTOKEM guarantees adherence to supports and optimal performance consistency over time.

FIELD OF APPLICATION

INTOKEM is a base plaster for internal walls, external facades and ceilings with low humidity loads e it can be applied on all normal substrates, such as bricks, bricks, concrete blocks, as well as rough concrete with rough surface. On smooth concrete it is necessary to pre-treat with **HERALAX GRIP**.

PREPARATION OF THE SUBSTRATE

The substrates to be plastered must be solid, stable and clean; powders, paints, dirt or release agents must be properly treated and eliminated. Mechanically remove any loose parts. It is advisable to pre-treat particularly absorbent substrates or substrates of varying degrees of absorption with **HERALAX AC**. On particularly smooth and compact surfaces it is necessary to prepare a base with adequate adhesion by previously applying a rough coat or using **HERALAX GRIP**. Wet the substrates with water, especially if exposed to direct sunlight, about an hour before plastering so that they have time to cool and dry on the surface. Very humid substrates can slow down the setting.

MECHANIZED APPLICATION

The product must be machined and applied "by spraying" with a common plastering machine available on the market. Spray the product from bottom to top and, using a straightedge, level the plaster with horizontal and vertical steps. The minimum application thickness must never be less than 1 cm or greater than 2 cm. In case of plaster thicknesses greater than 20 mm or in unfavorable application conditions, the application must be carried out in several layers taking care not to trowel the first layer and to carry out the second application within the following 24 hours. The freshly mixed mortar must be worked within 2 hours. After about 4 – 6 hours from application and depending on the environmental conditions, prepare the plaster for the finishing treatments, making the surfaces uniform and regularizing the corners. For external applications, in order to obtain a homogeneous and compact surface suitable for supporting finishes such as thick coatings, it is recommended to finish the plaster with a plastic or wooden trowel. If the surface needs to be painted, it is advisable to apply the finishing smoothing compound **HERARAS 600**. In the internal rooms, the finishing of the walls is completed by applying **HERARAS 100** ultra white fine smoothing compound to the plaster completely hardened. If, on the other hand, you want a more precious finish, apply **RASO SPECIAL**, ultrafine smoothing compound. In less frequented places (garages, cellars, etc.) where there are no particular aesthetic requirements, a more rustic finish can be obtained by directly finishing **INTOKEM** with a plastic, sponge or wooden trowel.

MANUAL APPLICATION

In case of manual application, mix **INTOKEM** with clean water in the ratio of about 20%. Slowly add the powder to the water, mixing with a low-speed drill fitted with a mixing propeller, until a homogeneous, lump-free mortar is obtained; a maximum mixing time of 2 ÷ 3 minutes is recommended. Mixing with a concrete mixer is not recommended because it could cause abnormal air entrainment, compromising its workability and mechanical performance. Apply the material with a spatula and trowel.

CLEANING

The tools used must be cleaned with water before the mortar hardens; subsequently, cleaning can only take place by mechanical removal.

ITEM OF SPECIFICATIONS

Fiber-reinforced base plaster with premixed plaster for interiors and exteriors based on lime and cement, gray in color, compliant with standard **EN 998-1** type **GP-CSII-WO**, type **INTOKEM** by **HERAKEM SRL**, and belonging to the fire resistance class **EI120** according to the **UNI EN 1996-1-2** standard.

WARNINGS

- **INTOKEM** is mixed with clean water without adding other products.
- If mixed with a drill, do not exceed 2 ÷ 3 minutes of mixing.
- Do not mix with a muller or concrete mixer.
- Do not apply in direct sunlight or with strong ventilation.
- Do not apply on frozen substrates or in any case at ambient temperatures below +5 ° C, because the hardening of the product is based on the hydraulic setting of the binders which, at low temperatures, is excessively delayed with consequent anomalous hardening.
- Protect the applied plasters for at least 24 ÷ 48 hours from rain or washout and for at least 7 days from frost or rapid drying due to wind or beating sun.
- Subsequent finishes must be carried out after hardening and complete drying.
- In the junction points of two different materials and in the most delicate points (e.g. window corners, door corners, etc.), where the mechanical stresses are greater, it is recommended to use (drown) a special mesh for plaster.

TECHNICAL DATA *(at +22±1°C and 55±5% R.H.)

Appearance	powder	Compressive strength	approx. 2,5 N/mm ²
Color	gray or white	Flexural strength	approx. 1,2 N/mm ²
Grain	0÷1,4 mm	Adhesion	≥ 0,3 N/mm ²
Bulk density of hardened mortar	1380 kg/m ³	Water absorption	W 0
Maximum application thickness	2 cm	Coefficient of thermal conductivity	0,39/0,44 W/mK tabulated value
Customs heading	3824 50 90	Reaction to fire	Class A1
Workability time	about 2 hours*	Durability to freeze / thaw	good
Permitted application temperature	from +5°C to +35 °C	Storage	12 months in the original packaging in a dry place
Content Chlorides	absent		

Consumption	approx. 13 ÷ 14 kg/m² per cm of applied thickness	Packaging	25 kg bag
--------------------	---	------------------	------------------

PRODUCT FOR PROFESSIONAL USE ONLY

All the data and indications given in this technical data sheet, although resulting from laboratory tests carried out and from our direct application experiences, due to the infinite number of variables linked to the construction site conditions, are to be considered, in any case, purely indicative. Therefore, before applying the product, the user is required to establish whether it is suitable for the use envisaged by him, in the specific hygrothermal and application conditions foreseen at the time of use and, in any case, he assumes all responsibility for it. We are not liable for damage to people or things deriving from improper use of the product. We reserve the right to modify the data contained therein as a result of improvements and technical progress.