

Product type: Fine mineral mortar based on air binders for preparing a filling mixture of wall plaster type – according to SR.EN. 13279-1/2005.

Short description of product: GLET DE IPSOS (Gypsum plaster) is a dry mortar, based on air binders (gypsum), fine white aggregates with selected grading, synthetic polymer additives and water-soluble cellulose derivatives which mixed only with water form a white filling mixture.

Areas of application: GLET DE IPSOS (Gypsum plaster) is meant for the final finishing of walls and ceilings before their being coated or dyed. It is applied on walls and/or ceilings made from plaster board or covered with a smoothing board (coating at least 28 days old), with cement and/ or lime – cement or gypsum covering, only on the interior

Technical data:	Physical form	powder
	Colour	white
	Flammability	no
	Toxicity	no
	Apparent density	~approx. 1,350 kg/m ³
	Consumption per 1 mm of layer thickness	approx. 1.4 kg / mm/m ²
	Minimum layer thickness	1 mm
	Maximum layer thickness	2 mm
	Average waiting period between 2 layers	24 hours
	Setting time	min. 80 minutes
	Mixture water	~ 7.3 l / 20 kg
	Preparation	only with water
	Compressive strength after 28 days	2.1 N/mm ²
	Bending strength after 28 days	1.0 N/mm ²
	Temperature range for usage	+ 5°C – + 35°C

Instructions for use: Application of product is carried out only by trained and skilled workers in mortar applications, in the following stages:

1. Checking the base surface:

Checking the base layer is an important stage in the process of applying the product.

Surfaces which are to be filled (plastered) with GLET DE IPSOS (Gypsum plaster):

a. should be flat and smooth - uneven elements do not exceed 2 mm/m.

b. the base layer on which it is applied should be stable, compact, at least 28 days old.

c. should be clean, dust and salt free, they should not contain any non-adhesive substances (grease, bitumen, dust, gypsum, dye, old wall painting etc.), with a normal water absorption between 3% and 6%.

d. should be crack free. Capillary cracks are allowed; they occur due to hydraulic intake, drying and hardening of the cement coating-type base layer. Other cracks caused by incorrect application of layer (coating) and which are major (> 0.3-0.5 mm), moving and which worsen simultaneously with the process of hardening are not allowed.

e. should be resistant, compact and free of any brittle parts.

f. should be dry. The residual humidity, measured at about 2-3 cm inside the base layer which is being plastered, should not exceed 2% at the moment of plastering.

If the base layer for which the product is used does not comply with the 6 minimum requirements mentioned above, it is considered to be unfit for being finished with this product.

2. Preparing the product:

In order to prepare the filling mixture needed for plastering, a 20 kg sack is mixed with 7.3 l (365 ml/kg) of clean and cold water, by pouring the product into the water (and not the other way around). Only clean and appropriate containers should be used.

The mixture is prepared only with the help of a rotating mechanical device (hydraulic or pneumatic), with low revolutions (maximum: 500 rev/min) with a screw guaranteeing a homogeneous mixture.

The mixing is carried out for 4 minutes in order to obtain a perfectly homogeneous paste. It is essential that the mixing procedure be done at moderate speed in order to avoid creating air bubbles into the filling mixture.

After mixing, the paste is left to rest for about 10 minutes and then it is mixed again for about 1-2 minutes, then it can be used for filling (plastering).

The non-observance of the mixing stages implicitly causes the product to lose its properties and, thus, failures in using it may occur.

3. Product application:

The filling (plastering) of the base layer is done by evenly and smoothly applying, with the hawk, the paste (filling mixture) obtained, according to point 2 in the present data sheet.

The filling (plastering) can be done in two layers, if necessary, each layer being at least 1 mm and maximum 2 mm thick. The second layer shall be applied at least 24 hours after the first layer has been applied.

If the second layer is applied at least 7 days after the application of the first layer, then the latter shall be very finely finished in order to remove all the eventual impurities deposited and afterwards, it shall be very rigorously cleaned of dust. Application on critical areas (from the water absorption perspective- absorption exceeding 6%), but which match all the other application conditions can be carried out after the previous priming with HIDROFLEX. In this case, application is done onto wet surfaces. Filling is not carried out on the dried or film primer.

4. Final recommendations:

- a. The product is mixed only with clean and cold water and only in clean and appropriate containers.
- b. At least 48 hours after applying GLET DE IPSOS, it is recommended to finish it with very finely grained emery paper. Product application at temperatures lower than 20° C results in the increase of the product's hardening interval.
- c. The final filling mixture layer obtained shall be left to dry for at least 7 days before any other subsequent processing: dyeing with disperse dyes or mineral dyes.
- d. Before any subsequent finishing, after the minimum interval of 7 days, the surface shall be checked for unevenness and cracks.
- e.. The unevenness caused by filling imperfections or ridges left from the hawk can be corrected by fine finishing with appropriate emery paper.
- f. The product can be applied on plaster board plates, if the base layer and the application conditions mentioned above are observed.
- e. The product is not applied at temperatures lower than 5°C or exceeding 35°C and if there a risk that these phenomena might occur in the following 24 hours.
- h. The product is meant for a fine finishing with a very smooth appearance.



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Data Sheet

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**GLET DE
IPSOS**

Code 1.4.05
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Conformity attestation system 3

Packaging: The product is packaged in sacks weighing 20 kg; 60 sacks per pallet covered in foil.

Storage: The product is stored for maximum 12 months in a dry place, in its original undamaged package, placed on the pallet.

Marking: Each sack is marked by being stamped, on the bottom, with the following information: date of production – five groups of figures symbolizing:
the day, the month, the year ending, production line number, production batch number.

Warranty: The product has a 12 month warranty beginning on the date of production marked on the package; this warranty applies only for the storage conditions mentioned above.

- WARNING**
- The prepared product is alkaline. During handling and transport, goggles, gloves and anti-dust masks should be worn.
 - In case the product gets accidentally into your eyes, wash immediately with lots of clean water and then quickly contact a doctor!
 - Products with damaged packaging should not be used.
 - The unused items should not be discarded into the sewerage system

Note 1: The present data sheet accompanies each invoice or waybill which refers to the product presented in the sheet.

Note 2: It is forbidden to reproduce parts or fragments from the present data sheet.

Note 3: The present data sheet has been drawn up to properly inform the user about the presented product. The use of this sheet for other purpose than informing you about the product and preparing the technological specifications regarding application is strictly forbidden without the written consent of ITAL-KOL.

Note 4: For other additional information, which you consider you should receive or you find useful, we recommend that you contact the producer in writing, before using the product. Any producer liability regarding failures in applying the product resulted from misinterpreting the text of the present data sheet or from verbal consultancy is excluded.

Note 5: The data presented in the product data sheet and, mainly, the instructions regarding the manner and area of application of the product are based on the skills and practical experience of the person applying the product. Due to a large variety of materials, tools or working conditions which we cannot totally control or foresee or which, even if they are clearly mentioned in the product data sheet, are not correctly assessed by the person applying the product, in each case we recommend, before use, to carry out individual tests of applying the product, so that you can be sure that the product the present data sheet is describing is suitable for your respective field of application.

Any producer liability regarding failures in applying the product resulted from the causes mentioned above in this sheet is excluded, except for the event when the damages resulted only from the poor quality of the product that the present data sheet refers to.

Note 6: Depending on the evolution of the technical regulations applicable, the producer preserves the right to modify the present data sheet. For the purpose of confirming the data in the sheet we recommend you to visit the web page: web www.italkol.ro prior to using the product