



PENTAGEL GRS 30

Additive for gypsum-based putties and finishes

Technical Data Sheet May 2019

DESCRIPTION **Pentagel GRS 30** is an additive in powder form for the preparation of fine gypsum-based putties and smooth finishes, and it is able to give the mixture an open time of 8 hours.

FEATURES Thanks to its particular composition, **Pentagel GRS 30** makes putties and smooth finishes very easy to work and to smooth during the 8 hours of open times. Application proves to be easy also on wrinkled surfaces, and it does not produce any "scratch".
The easiness in the application allows also to get excellent results and to save time during the filling of cavities and during the smoothing of wrinkled surfaces.
Filling stuccos and smooth finishes obtained with **Pentagel GRS 30** do not crack and they quickly harden after the application, allowing speeding up work. Surfaces that have been levelled and smoothed in this way prove to be hard and resistant.

USE **Pentagel GRS 30** is particularly suitable for preparing putties and smooth finishes made of good quality gypsum, preferably with no additives at the origin, and of fine limestone.
Their average proportion in the final product is 35-40% of fine gypsum – alabaster variety, 65-60% of fine limestone (granulometry lower than 100 µm) and 0.6 – 0.8 % of **Pentagel GRS 30** and 1.0% of **Pentaresin P3**.
In order to fill large joints or for thick application, it is suggested to add to the dry mixture also 0.1% of **Fiberchem 4 mm** or 3.0 – 4.0% of wood flour and 1.0% of **Pentaresin P3**.

TECHNICAL DATA

	Data	Method
State:	Powder	Visual
Colour:	Ivory - white	Visual
Density:	0.500 ± 0.100 kg/dm ³	IST. 10.06
Granulometry:	Min. 95.0% < 0.300 mm	IST. 10.09
Humidity:	Max. 4,0%	IST. 10.04
Water solubility:	Partially soluble	IST. 10.21

DOSAGE	The recommended dosage of Pentagel GRS 30 is 0.6 – 0.8% on the weight of the dry mixture. Different dosages can be used depending on the wanted results only after experimental determination.
STORAGE AND VALIDITY	If it is stored in a dry place and in the original bags kept perfectly closed, Pentagel GRS 30 has a 12 months validity from the date on the delivery note. Should the product absorb moisture, this does not affect its efficaciousness, but it makes its dosage difficult and the distribution in the finished mixture not homogeneous. Therefore, it is advisable to close the bags carefully after each collection.
PRECAUTIONS	Pentagel GRS 30 is harmless in contact with skin and by ingestion, and it can be easily removed with water and soap. When it is used, it is necessary to respect all the provisions provided for the use of dust-forming substances. It is so advisable to wear an anti-dust mask. In case of accidental loss, it must be picked up in dry state and discharged in an authorised waste dump. Dry-clean the surfaces avoiding the use of water, since it makes surfaces slimy and dangerous. For further information, please read the security data sheet.
PACKAGING	25 kg paper bags.

The specifications stated in this report have been got either through standardized tests and rules or their modifications following Pentachem systems. The methods applied can be requested to our technical service.

All the data stated in this technical sheet are based on our knowledge and experience. However, before using the item differently from indicated, it is advisable to carry out preventive tests. In any case, PENTACHEM does not assume any responsibility for any damage or defect caused by the use of our products, as the employment conditions are not under our control. We also inform that our technical service is at our customers' disposal for any information concerning the correct employment of our products.