



PENTAGEL IGM 807 sr

Additive in powder form for premixed gypsum-based plasters

Technical Data Sheet November 2016

DESCRIPTION **Pentagel IGM 807 sr** is an additive in powder form specific for premixed gypsum-based plasters, with or without hydrated lime, with or without perlite, applied by hand and by machine. The product does not contain retarding agent, which has to be added: in mixtures with hydrated lime, we suggest to use **Pentatard AT**; in mixtures without hydrated lime, we suggest to use **Pentatard AC** or **Pentatard G5**.

FEATURES **Pentagel IGM 807 sr** concentrates in a single additive (except the retarding agent) all the features required to a gypsum-based premixed plaster. It gives it excellent thixotropy and wet adhesion to all traditional supports in layers up to 2 cm and more thick. Its special composition gives the plasters excellent plasticity and makes levelling and finishing easier, thus reducing the effort of the applicator. **Pentagel IGM 807 sr** also reduces many serious defects in the plaster, including cracks and detachments that happen during and after the hardening process.

USE **Pentagel IGM 807 sr** is used as a base additive in the preparation of premixed plasters made with gypsum with hydrated lime, and crushed calcareous aggregates with or without perlite. Retarding agent must be added separately. The product is normally added to the other components during mixing until total homogenisation. To avoid loss of additive during mixing, it is advisable to limit the degree of pulverization, especially if it is added in the pure state as the last component.

	Data	Method
TECHNICAL DATA		
State:	Powder	Visual
Colour:	Ivory-white	Visual
Bulk density:	0.600 ± 0.100 kg/dm ³	IST. 10.07
Granulometry:	Min. 95% < 0.300 mm	IST. 10.09
Humidity	Max. 4.0%	IST. 10.04
Water solubility:	Partially soluble	IST. 10.21
Water retention:	Min. 50% (after 8 minutes)	IST. 10.08

DOSAGE	The normal dosage of Pentagel IGM 807 sr is $0.27 \div 0.30\%$ of the weight of the dry mixture.
STORAGE AND VALIDITY	If it is stored in a dry place and in the original bags kept perfectly closed, Pentagel IGM 807 sr has a 12 months validity starting from the date of the delivery note. Should moisture be absorbed by the product, this does not affect its efficaciousness, but it makes its dosage difficult and it causes a non-homogeneous distribution in the finished mixture. It is therefore advisable to close bags carefully after each collection.
PRECAUTIONS	Pentagel IGM 807 sr is harmless in contact with skin and ingestion and it is easily removable with water and soap from all surfaces. Inhalation can cause a slight irritation of the first part of the respiratory tract. Because of this, it is advisable to use a dust mask. In case of accidental loss, the product must be picked up in the dry state and discharged in an authorised waste dump. Avoid the use of water: it makes surfaces slimy and dangerous. For further information, please check 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.