



PENTAFLW SA.2

Additive in powder form for self-levelling cement base courses

Technical Data Sheet, November 2015

DESCRIPTION	Pentaflow SA.2 is an additive in powder form specific for premixed self-levelling base courses for cement-based floorings with thickness up to 8 cm
FEATURES	Pentaflow SA.2 concentrates in a single additive all the features necessary to a pre-mixed self-levelling base course. It gives excellent self-levelling, smooth running, and finishing performances. It bonds perfectly to all traditional supports in layers up to 8 cm thick. Its special composition gives excellent workability for about 60 minutes, in normal weather conditions; then it promotes the beginning of the hardening process. Thanks to this, after 10 days the residual humidity is lower than 2%. Pentaflow SA.2 strongly reduces the risk of cracks caused by an excessive quantity of water in the mixture. It reduces the bleeding effect and volumetric fluctuations during the plastic stage as well as hydraulic shrinkage. The final application of the flooring can be made directly by using all grades of tile adhesives.
USE	Pentaflow SA.2 is used as a sole additive in the preparation of premixed base courses containing cement and natural or crushed calcareous or siliceous aggregates with grain size up to 4mm. 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.

TECHNICAL DATA

	Data	Method
State:	Powder	Visual
Colour:	White-beige	Visual
Bulk Density:	0.700 ± 0.100 kg/dm ³	IST. 10.07
Granulometry:	Min. 94% < 0.600 mm	IST. 10.09
Humidity:	Max. 5%	IST. 10.04
Water solubility:	Partially soluble	IST. 10.21

- DOSAGE** The normal dosage of **Pentaflow SA.2** is 0.7 – 1.0% of the weight of the dry mixture.
- STORAGE AND VALIDITY** **Pentaflow SA.2** has a 12-months validity starting from the delivery note issue date, if it is stored in a dry place and in the original bags kept perfectly closed. Should moisture be absorbed by the product, this does not affect its efficaciousness, but it makes its dosage difficult and the distribution in the finished mixture not homogeneous. It is therefore advisable to close the bags carefully after each collection.
- PRECAUTIONS** **Pentaflow SA.2** is harmless both by contact and by ingestion. It is easily removable from any surface with water and soap. Inhalation can cause a slight irritation of the first part of the respiratory tract, so it is advisable to use dust masks. In case of accidental loss it must be picked up in the dry state and discharged in an authorised waste dump. Never use water; it makes surfaces slimy and dangerous.
- PACKAGING** 25 kgs paper bags

All the data stated in this technical sheet are based on the best of our knowledge and experience. 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.