

# ANTIFOAM PS5

## Antifoaming agent in powder form

Technical Data Sheet February 2019

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**DESCRIPTION**      **Antifoam PS5** is a next-generation defoaming agent in powder form for self-levelling mortars rich in polymers or particularly viscous.

**FEATURES**      **Antifoam PS5** consists of a mixture of silicone oils, polyglycols, and surfactant polymers on a mineral support. Its action starts as soon as the dry mixture meets the water, preventing the formation of foam in general and reducing the size of the bigger bubbles even under strong mechanical agitation. The active components of **Antifoam PS5** are very resistant to the highly basic pH of cement and they are not biodegradable, thus after their dispersion in water they keep their efficaciousness for a long time.  
In self-levelling mortars, **Antifoam PS5** is able to remove the bubbles of air from the surface very rapidly, thus giving the final product a perfectly flat surface with no superficial craters.

**USE**      **Antifoam PS5** has a particular composition that has been studied mostly for viscous self-levelling mixtures. However, by changing the dosages, it can be used in a large number of cement-based mortars where it is necessary to reduce the air.

	Data	Method
<b>TECHNICAL DATA</b>		
<b>State:</b>	Powder	Visual
<b>Colour:</b>	White	Visual
<b>Specific gravity:</b>	0.550 ± 0.100 kg/dm <sup>3</sup>	IST. 10.07
<b>Granulometry:</b>	Min. 95.0% < 0.180 mm	IST. 10.09
<b>Humidity:</b>	Max. 10.0%	IST. 10.04
<b>Water solubility:</b>	Insoluble	IST. 10.21

<b>DOSAGE</b>	The recommended dosage of <b>Antifoam PS5</b> is 0.01 - 0.3% on the weight of the solids, depending on the quantity of air to reduce. After carrying out preliminary tests, different dosages from the suggested ones can be employed, depending on the desired results.
<b>STORAGE AND VALIDITY</b>	If it is stored in a dry place and in the original bags kept perfectly closed, <b>Antifoam PS5</b> has a 12 months validity from the date on the delivery note. Should moisture be absorbed by the product, this does not prejudice its efficacy, 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.
<b>PRECAUTIONS</b>	<b>Antifoam PS5</b> is harmless in contact with the skin. It is easily removable from any surface with water and soap. Inhalation can cause an irritation of the first part of the respiratory tract. This trouble disappears immediately after stopping using it. It is therefore advisable to use a dust mask and not to disperse it in the environment. In case of accidental loss, it must be picked up in the dry state and discharged in an authorised waste dump. For further information, please check the Security Data Sheet.
<b>PACKAGING</b>	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.