



ANTIFOAM PS1

Antifoaming agent in powder form

Technical Data Sheet February 2015

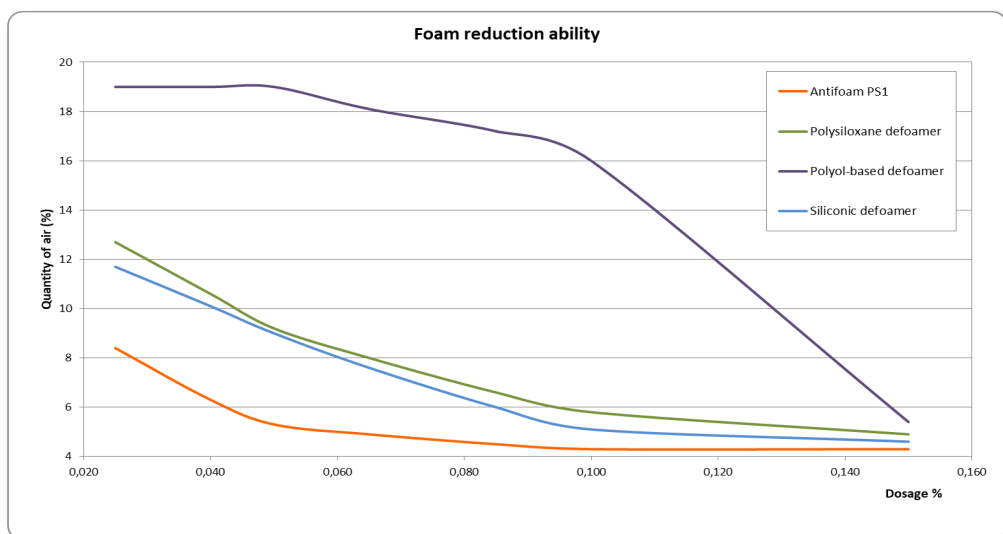
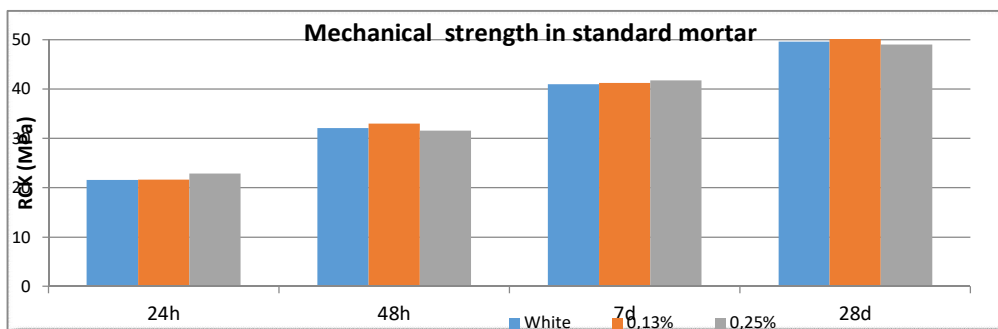
DESCRIPTION

Antifoam PS1 is an antifoaming agent in powder form for cement, hydrated lime and gypsum-based dry premixed products, as well as for any systems in powder form.

FEATURES

Antifoam PS1 consists of a mixture of silicone oils and polyglycols on a mineral support. It acts as soon as the dry mixture comes into contact with water, thus preventing the formation of foam even under strong mechanical agitation. As the active components of **Antifoam PS1** are not biodegradable, after their dispersion in water they keep their efficaciousness for a long time.

Antifoam PS1, as highlighted in the following graphs, does not negatively affect mechanical resistances at neither early or late stages of the seasoning process.



*Foam reduction capability of different defoaming agents in a reference mortar of Pentachem.
Foam content of the mortar without defoamer is 24%*

USE

Thanks to its particular composition, **Antifoam PS1** has a wide-ranging use: from cement-based mixtures for self-levelling products, smooth finishes, and mortars for repair works, to hydrated lime-based paints and smooth finishes.

Moreover, since it is stable in highly alkaline systems, it is also used with put lime-based products in paste form, in which it promotes also a certain plasticizing effect.

TECHNICAL DATA

	Data	Method
State:	Powder	Visual
Colour:	White	Visual
Density:	0.550 ± 0.100 kg/dm ³	IST. 10.07
Bulk density	Min. 90.0% < 0.180 mm	IST. 10.09
Humidity	Max. 10.0%	IST. 10.04
Water solubility:	Partially soluble	IST. 10.21

DOSAGE

The recommended dosage of **Antifoam PS1** is 0.01 ÷ 0.2% 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.

STORAGE AND VALIDITY

If it is stored in a dry place and in the original bags kept perfectly closed, **Antifoam PS1** has a 12 months validity beginning with delivery.

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 bags carefully after each collection.

PRECAUTIONS

Antifoam PS1 is harmless by 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.

PACKAGING

25-kilo 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.

Pentachem Srl—Via Galvani,3—Zona Ind. Casarola—47832-S.Clemente (RN) Italy Tel.-39.2541.988026—Fax +39.0541.989557—info@pentachem.it—pentachem@pentachem.it



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