



PENTARESIN PAV 11

Resin and primer for the realization of artistic mortars
with Pentacem Micro series

Technical Data Sheet, September 2015

DESCRIPTION

Pentaresin PAV 11 is mix of synthetic polymers in aqueous dispersion, highly stable in slightly alkaline systems, specifically modified for the preparation of cement mixtures with high technical and artistic quality. **Pentaresin PAV 11** was developed specially for artistic mortars with **Pentacem Micro** series.

FEATURES

Pentaresin PAV 11 is a milky liquid, dilutable with water. Its special formulation allows obtaining highly plastic mortars, easy to apply even on rough surfaces, highly adhesive to the support and shrinkage-free. At the hardened state the surface is elastic and it allows a good bond to the support of all the subsequent applications. Hardened mortars with **Pentaresin PAV 11** have remarkable elasticity and excellent resistance to alkalis; they are not re-emulsifiable either with cold water or hot water. Surfaces are walkable and resistant to abrasion. After hardening, floorings made mixing **Pentaresin PAV 11** and **Pentacem Micro**, have to be treated with **Pentaresin MM 11**, in order to guarantee perfect waterproofing and resistance to many chemical and food products.

USE

Carefully read technical data sheet of the **Pentacem Micro** required.

TECHNICAL DATA

	Data	Method
State:	Liquid	Visual
Colour:	Milky white	Visual
Density:	1,020 ± 0,010 kg/dm ³	IST. 10.06
Potential of hydrogen (pH):	6,0 ± 1	IST. 10.05
Water solubility:	dilutable in all proportions	IST. 10.21

DOSAGE

If used as primer, **Pentaresin PAV 11** can be diluted with water in proportion 1:1 in order to stabilize and isolate the base. If, after the first coat, the base is still porous and absorbent, it is advisable to apply a second coat of non- diluted resin.

As resinous liquid used to knead **Pentacem Micro**, the dosage of **Pentaresin PAV 11**, not diluted, is about 25% ÷ 30% depending on the expected thickness. It is advisable not to exceed the maximum dosage, in order to avoid non-homogeneity and separation of the components that can lead to micro cracks.

Recommended dosage for 100 g of dry mortar

Pentacem micro 9 / R9/ R9 F	25% ÷ 27%
Pentacem micro 5 / R5/ R5 F	26% ÷ 28%
Pentacem micro 3 / R3	27% ÷ 30%

STORAGE AND VALIDITY

Pentaresin PAV 11 should be stored at a temperature between +5° and 40° C, away from frost and very high temperatures. It has 12-month validity from delivery note issue date, if stored in these conditions, away from direct sunlight and in original cans kept perfectly closed. It is therefore advisable to mix **Pentaresin PAV 11** carefully before each collection.

PRECAUTIONS

Pentaresin PAV 11 is harmless by contact but it is necessary quickly to remove it with water and soap, before it hardens. In case of hardening, it is advisable to use an hand cleaning abrasive paste. In case of contact with the eyes, wash plentifully with fresh water. Dispose of product and container properly after use, according to current regulations. Do not eat. Keep out of reach of children.
For further information see Safety Data Sheets.

PACKAGING

5-kilo cans.

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.

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