

# PENTARESIN P 104

## Re-dispersible resin in powder form

Technical Data Sheet April 2021

**DESCRIPTION** Pentaresin P 104 is a particular resin in powder form that can be dispersed in water and that is highly resistant to alkalis. It is used for the preparation of cement and gypsum-based mixtures. It is particularly indicated for ceramic tile adhesives.

**USE** Pentaresin P 104 is a resin made of a vinyl copolymer internally modified to make it highly alkali-resistant and difficult to be re-emulsified. In tile adhesives, it does not substantially modify the thixotropy during the application phase, and, in the hardened state, it gives them an excellent tenacity. It allows tiling also in wet and hot outdoor environments without any problems of detachment. **Pentaresin P 104 is suggested for the preparation of C1 and C2 tile adhesives, with both S1 and S2 flexibility features.**

### TECHNICAL DATA

	Data	Method
<b>Chemical Nature:</b>	Vinyl Versatate VeoVa	
<b>State:</b>	Powder	Visual
<b>Colour:</b>	White-beige	Visual
<b>Bulk density:</b>	0.500 ± 0.100 kg/dm <sup>3</sup>	IST. 10.07
<b>Granulometry:</b>	Min. 90% < 0.180 mm	IST. 10.09
<b>Humidity:</b>	Max. 2.0%	IST. 10.04
<b>Water solubility:</b>	Dispersible	IST. 10.21
<b>Min. filmation temperature (MFFT):</b>	Around +5°C	
<b>Glass transition temperature (Tg):</b>	Around +16°C	

**DOSAGE** The dosage of **Pentaresin P 104** ranges between **0.5** and **10** % of the weight of the dry admixture, depending on the expected features.

**STORAGE AND VALIDITY** If it is stored in a dry and cool place and in its original bags kept perfectly closed, **Pentaresin P 104** has a 12 months validity starting from the date on the delivery note. It is advisable to close the bags carefully after each collection.

**PRECAUTIONS** Before its use, please check the Information Sheet.

**PACKAGING** 25 kg paper bag.

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.