



PENTAPROOF GS 43

Liquid waterproofing agent for gypsum

Technical Data Sheet May 2020

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| DESCRIPTION | <p>Pentaproof GS 43 is a silicone-based liquid waterproofing agent recommended for gypsum-based panels and artefacts. It can also be used easily for the production of plasterboards.</p> |
| FEATURES | <p>Pentaproof GS 43 is a liquid additive that allows reaching the values of water repellence necessary for respecting the EU norms. The product can be used only in neutral gypsum-based systems.</p> <p>Once the correct dosage is identified, it makes the artefacts water repellent and gives their surfaces the lotus effect.</p> |
| USE | <p>Add Pentaproof GS 43 to the mixing water during the preparation of the final product. The quantity of the additive depends on the gypsum and its absorption rates to give a waterproofing effect.</p> <p>It is important to mix the additive with water shortly before the mixing to avoid segregation effects and a subsequent inhomogeneity of the waterproofing effect on the final product.</p> |

| TECHNICAL DATA | Data | Method |
|----------------|---|----------------------------------|
| | State: | Liquid |
| | Visual | |
| | Colour: | Colourless |
| | Visual | |
| | Density: | 0.950 ± 0.050 kg/dm ³ |
| | IST. 10.06 | |
| | Water solubility: | Non soluble |
| | IST. 10.21 | |
| | Dry matter content 1 ^h at 100°C: | 98% ± 2% |
| | IST. 10.03 | |
| | Viscosity at 25°C: | 20 cP |
| | IST.10.30 | |

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| DOSAGE | The dosage of Pentaproof GS 43 is 0.2 – 0.5% on the gypsum. The dosage depends on the kind of gypsum and the desired waterproofing effect. |
| STORAGE AND VALIDITY | Stock Pentaproof GS 43 at temperatures between 0°C and 50°C. If it is stored in its well-closed original containers, at the temperatures indicated, and away from direct sunlight, Pentaproof GS 43 has a 12 months validity from the date on the delivery note. |
| PRECAUTIONS | Pentaproof GS 43 is deemed not dangerous and, in case of contact with the skin, it can be removed with water and soap. In case of contact with the eyes, rinse immediately with plenty of fresh water. Do not disperse the additive nor its containers in the environment. Do not ingest. Keep out of children's range. For further information, please check the security data sheet. BEWARE: do not mix the additive with caustic or highly alkali substances such as cement or lime. When in contact with strong alkalis, the product develops highly inflammable elementary hydrogen. |
| PACKAGING | 1000 l IBC 25 l jerrycans |

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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