

PENTAMIX FUG

Additive for cement-based grouts and sealants

Technical Data Sheet October 2026

DESCRIPTION	Pentamix FUG is a complete powdered additive for preparing cement-based grouts and sealants for ceramic, terracotta, marble, and other types of wall and floor coverings.
FEATURES	Pentamix FUG imparts good workability, excellent filling capacity, water retention, ease of cleaning and the absence of plastic shrinkage to cementitious mixtures. Once hardened, it provides dimensional and colour stability, good mechanical strength throughout the entire thickness, absence of efflorescence and good water resistance.
USE	Pentamix FUG is specifically designed for the preparation of grout and cement-based sealants, both low- and high-build.

TECHNICAL DATA	Data	Method
State:	Powder	Visual
Colour:	White	Visual
Bulk density:	0.650 ± 0.100 kg/dm ³	IST. 10.07
Granulometry:	Min. 97% < 0.300 mm	IST. 10.09
Moisture:	Max. 5%	IST. 10.04
Water solubility:	Partially soluble	IST. 10.21

DOSAGE	For small grouting jobs using a fine grout with a particle size not exceeding 0.180 mm and a high percentage of carbonate, a dosage of 3% by weight of the total dry mixture is recommended. For larger grouting jobs containing a moderate amount of silica sand, we recommend a dosage of 2% for particle sizes between 0.180 and 0.300 mm or 1.5% for particle sizes up to 1 mm. However, we recommend determining the correct amount of Pentamix FUG based on your specific needs, following experimental testing.
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STORAGE AND VALIDITY	When stored in a cool, dry place in the original, tightly sealed packaging, the product has a shelf life of 12 months from the date on the delivery note. Any moisture absorbed by the product does not affect its effectiveness but makes it difficult to measure out accurately and results in uneven distribution in the finished mixture. It is therefore recommended to reseal the bags carefully after each use.
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PRECAUTIONS	Before use, it is recommended to read the corresponding safety data sheet.
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PACKAGING	25-kg paper bags
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All the data stated in this technical sheet is 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.