

HyCon[®] R 3660 F

Setting retarder in powder form for ternary flowable dry mortar products

Characteristics / Chemistry

HyCon[®] R 3660 F is a setting retarder in powder form based on chemically modified polymer with inorganic carrier material.

Fields of Application

HyCon[®] R 3660 F is especially optimized for retardation of setting of ternary self-levelling underlayments based on CAC (calcium aluminate cement), OPC (ordinary Portland cement) and calcium sulphate (Anhydrite or mixes of Anhydrite and Hemihydrate).

In combination with the superplasticizer R+D Melflux[®] SELECT 6030 F the required amount of Li-salt accelerators can be significantly reduced (depending on the formulation by 80-100%). At the same time early strength development, storage stability and temperature robustness of the system are improved.

Technical Data

Physical shape	powder
Appearance	characteristic, white to off-white
Drying loss, [%]	max. 2.0
Bulk density, [kg/m³]	600 to 850
pH-value (20 °C), 20 % in water	9.5 to 11.4
Dosage recommendation, [%] in relation to weight of dry mortar	0.09 to 0.5

Further Technical Data

Packaging	25 kg paper bags
Storage	to be stored in its unopened original packaging, store dry below 40 °C and protect from excessive heat; product is hygroscopic; no double stacking of pallets , may cake when exposed to pressure and friction
Shelf life	1 year

Safety notes:

Comprehensive instructions are given in the corresponding Material Safety Data Sheets which are available on request.

This information and all further technical advice are based on our current knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether expressed or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of goods. Performance and suitability of the product described herein have to be verified by testing, which has to be carried out only by qualified experts in the sole responsibility of the customer. Reference to trade names used by other companies is neither a recommendation nor an implementation that similar products could not be used. Customer is obliged to keep the disclosed samples and any related information under strict confidence and shall neither analyze such samples nor disclose them to third parties. In addition, our general terms and conditions for sale are valid.

Issue: January 2025

This technical note is valid until replaced by a new issue.