

Castament[®] FS 65

Characteristics / Chemistry

Castament[®] FS 65 is a free flowing, spray dried powder of a polymerisation product based on polyethylene glycol.

Field of Application

Castament[®] FS 65 is a polymeric dispersant for improved refractory use. It is recommended for **SiC-C mixes, spinelforming mixes using fine MgO grades.** Castament[®] FS 65 gives improved wetting, good water reduction and early strength. It can be used in **low alumina cement castables with small amounts of microsilica.**

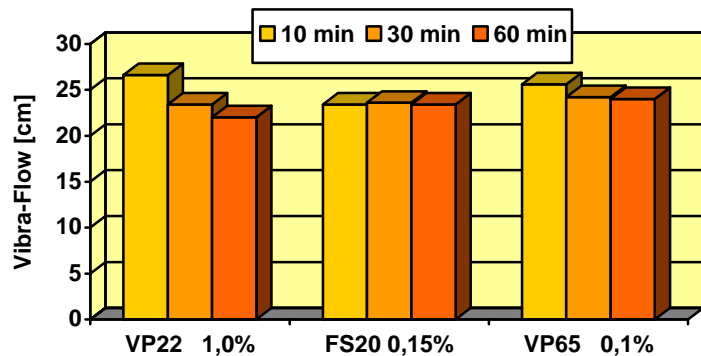
Selected Test Results

Tests have been carried out comparing the dosage of **Castament[®] FS 65** dispersant against Castament[®] FS 20 and Castament[®] VP22 as a reference (for applications of Castament[®] FS 20 and Castament[®] VP22 see our separate leaflets) to reach similar vibra-flow properties.

Recipe Mass%

SiC	90
Cement CAC (70)	6
Microsilica	4
Dispersant	variable
Water b.w.c.	7.0%

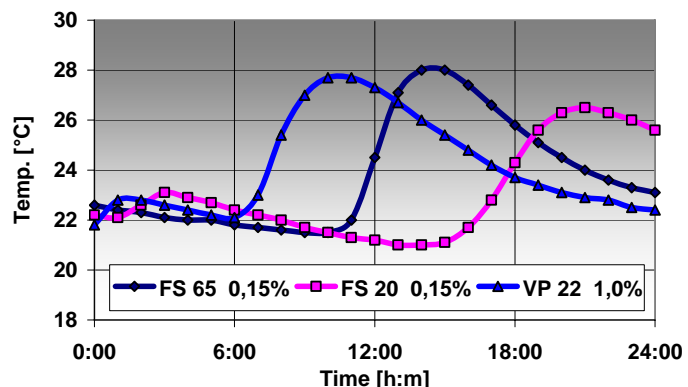
CCS 24h[N/mm²]:



12

7

23



Technical Data

Physical shape	powder
Appearance	characteristic, slightly to intensively pastel-coloured
Drying loss, [%]	max. 2.0
Bulk density, [kg/m³]	300 to 500
pH-value (20 °C), 20 % solution	6.5 to 8.0
Dosage recommendation, [%] in relation to weight of refractory material	0.05 to 0.15
Packaging	15 kg paper bags
Storage	to be stored in its unopened original packaging, please store dry at usual ambient temperatures and protect from excessive heat (below 40 °C); no double stacking ; may cake when exposed to pressure and friction
Shelf life	1 year
Storage class	11 (flammable solids)
Transport regulation	not known as a dangerous good according to transport regulations

Castament® FS 65 is a dispersant based on latest polymer technology. These types typically contain certain side chains based on polyethylene glycol. Due to raw material synthesis of the polyethylene glycol, the nature of radical polymerization and the composition, it is known that this technical product has some natural colour variations from nearly colourless to yellowish up to slightly brownish. However, these colour variations have no influence on the application performance of the product. It is not known that the product colour changes significantly over time under normal storage conditions.

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Issue: September 2011

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