

# Castament<sup>®</sup> FS 60

## Characteristics / Chemistry

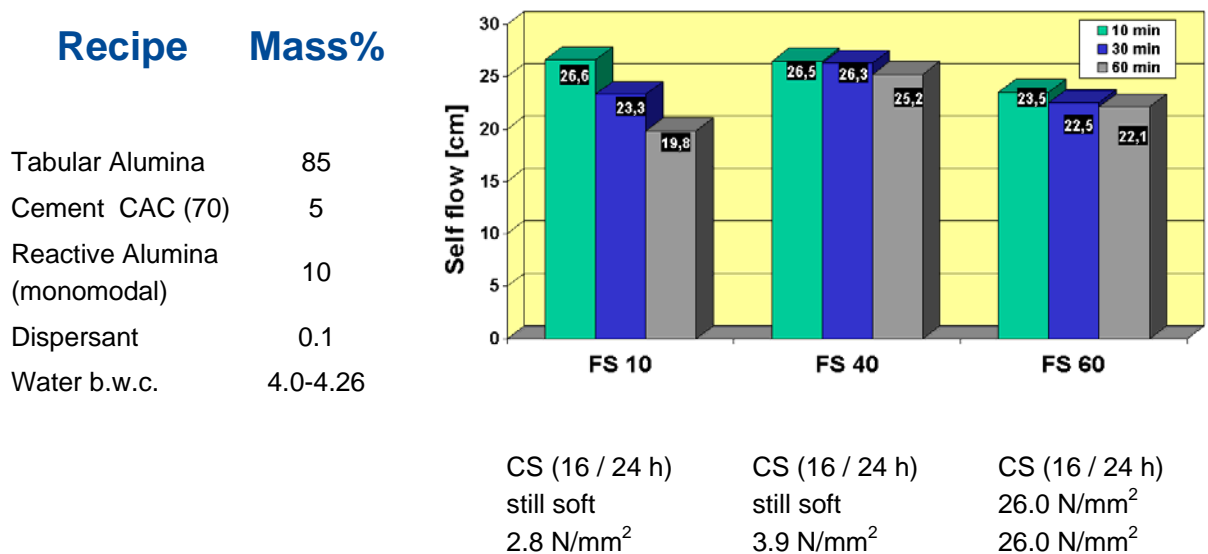
**Castament<sup>®</sup> FS 60** is a free flowing, spray dried powder of a polymerisation product based on polyethylene glycol.

## Field of Application

**Castament<sup>®</sup> FS 60** is a polymeric dispersant for improved refractory use. It is recommended for **Tabular Al<sub>2</sub>O<sub>3</sub> and CAC (calcium aluminate cement) with high Al<sub>2</sub>O<sub>3</sub> content.** **Castament<sup>®</sup> FS 60** gives improved early strength. It can be used in **low alumina CAC, microsilica-containing vibrational castable mixes.**

## Selected Test Results

Tests have been carried out comparing **Castament<sup>®</sup> FS 60** dispersant against Castament<sup>®</sup> FS 10 and Castament<sup>®</sup> FS 40 as a reference (for applications of Castament<sup>®</sup> FS 10 and Castament<sup>®</sup> FS 40 see our separate leaflets).



## Technical Data

<b>Physical shape</b>	powder
<b>Appearance</b>	characteristic, slightly to intensively pastel-coloured
<b>Drying loss, [%]</b>	max. 2.0
<b>Bulk density, [kg/m<sup>3</sup>]</b>	400 to 600
<b>pH-value (20 °C), 20 % solution</b>	6.5 to 8.5
<b>Dosage recommendation, [%]</b> in relation to weight of refractory material	0.05 to 0.50
<b>Packaging</b>	15 kg paper bags
<b>Storage</b>	to be stored in its unopened original packaging, please <b>store dry</b> at <b>usual ambient temperatures</b> and protect from excessive heat (below 40 °C); <b>no double stacking</b> ; may cake when exposed to pressure and friction
<b>Shelf life</b>	1 year
<b>Storage class</b>	11 (flammable solids)
<b>Transport regulation</b>	not known as a dangerous good according to transport regulations

**Castament® FS 60** 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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This technical note is valid until replaced by a new issue.