

# Castament<sup>®</sup> VP 22

## Characteristics / Chemistry

### Castament<sup>®</sup> VP 22

is a synthetic polyelectrolyte formulated on an alumina carrier.

## Fields of Application

Castament<sup>®</sup> VP22 acts as a dispersant for improved refractory use.

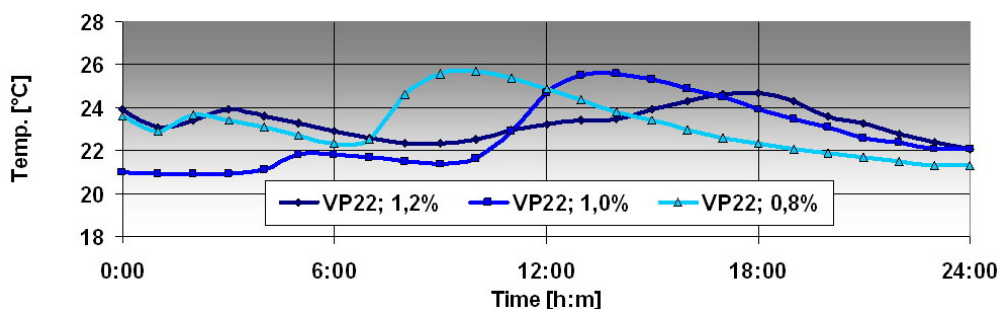
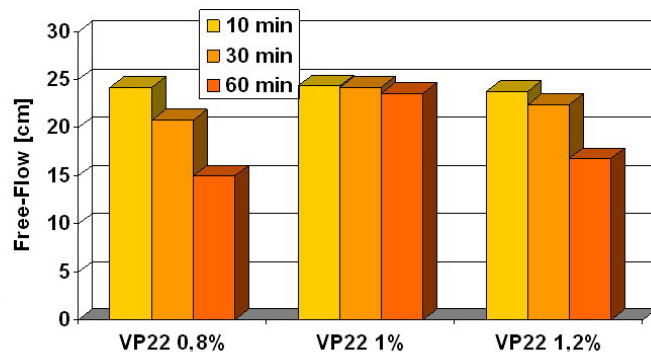
It is recommended for **microsilica and CAC (calcium aluminate cement) containing LCC or ULCC castables**.

It may also be used as a **wetting agent for improved dry shotcreting or shotcasting applications**.

The recommended dosage is 1% on total.

Typical recipe with flow and development of heat of hydration over time

Symulox M 72	3 – 5 mm	25 %
	1.5 – 3 mm	11 %
	0.5 – 1.5 mm	8 %
	0 – 0.5 mm	11 %
	0 – 0.1	15 %
	CT9FG	15 %
RA	CL370C	5 %
MS	940U	5 %
Cement	CA270	5 %
		<b>Total: 100 %</b>
Dispersant	VP22	0,8-1,2 %
Water		5.6 %



## Technical Data

<b>Physical shape</b>	powder
<b>Appearance</b>	characteristic, light orange to pink
<b>Drying loss, [%]</b>	max. 4.0
<b>Bulk density, [kg/m<sup>3</sup>]</b>	900 to 1000
<b>pH-value (20 °C), 20 % solution</b>	3.0 to 7.0
<b>Dosage recommendation, [%]</b> in relation to weight of refractory material	1
<b>Packaging</b>	25 kg paper bags
<b>Storage</b>	to be stored in its unopened original packaging, please <b>store dry at 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® VP 22** is a dispersant based on latest polymer technology. Due to the nature of radical polymerization and the composition, it is known that this technical product has some natural colour variations from yellow to red. Castables produced with Castament VP 22 may get a slightly yellow to orange surface. However, these colour variations have no influence on the application performance of the product or the castable produced. It is not known that the product colour changes significantly over time under normal storage conditions.

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. In addition our general terms and conditions for sale are valid.

**Issue: June 2009**

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