

New Product Development

99.615-E2
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May 2008

Aquapas™ N2020 Redispersible Polymer Powder

Description

The redispersible powder Aquapas™ N2020 is a copolymer of vinyl acetate and ethylene. It is a free-flowing powder that readily disperses in water.

Product data

Polymer type	:	vinyl acetate-ethylene copolymer
Appearance	:	free-flowing, white powder
Protective Colloid	:	polyvinyl alcohol
Solids content	:	98 - 100%
Ash content	:	8 - 12%
Bulk density	:	400 - 550 g/l
Tg (onset)	:	+15 °C (+/-5 °C)
Minimum film forming temperature	:	3 °C

Application

Aquapas™ N2020 is best suited for high performing tile cement to get long open time and high adhesive strength after different storage conditions. This is demonstrated by tests according to EN 12004 / ISO13007.

Processing

In the production of ready-mixed powders, Aquapas™ N2020 should be blended with other dry ingredients in appropriate mixers. Care should be taken to not allow temperature to rise excessively, or the polymer powder could agglomerate into lumps.

The powdered end products are mixed with water at the jobsite. An extra 5 minutes of maturing time may be needed if the products are hand mixed to allow the polymer powder to fully disperse.

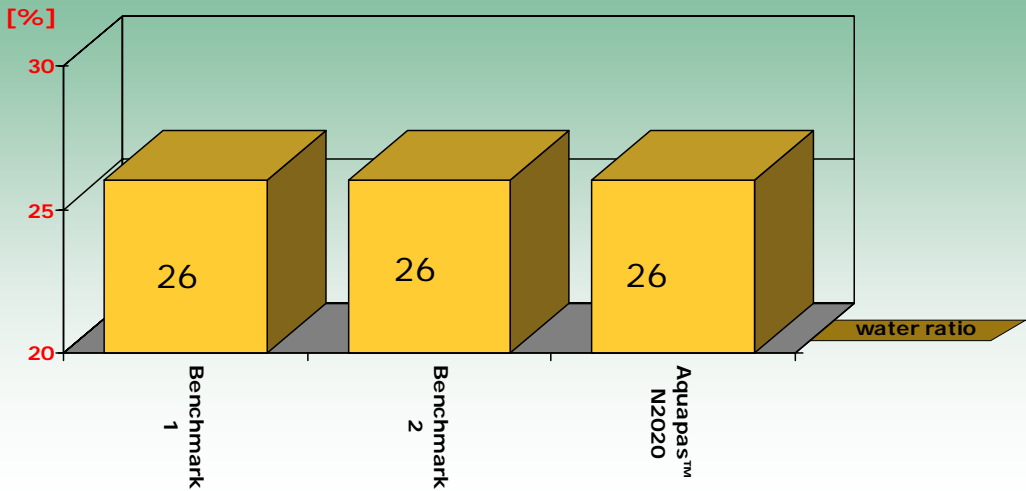
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Test results: *Mortar composition*

<u>C2 TE S1</u>	<u>Components</u>
36.00%	CEM I 52,5 R
59.10%	Silica sand
0.50%	C 9133
0.40%	Accelerator
4.00%	RDP
Σ <u>100.00%</u>	

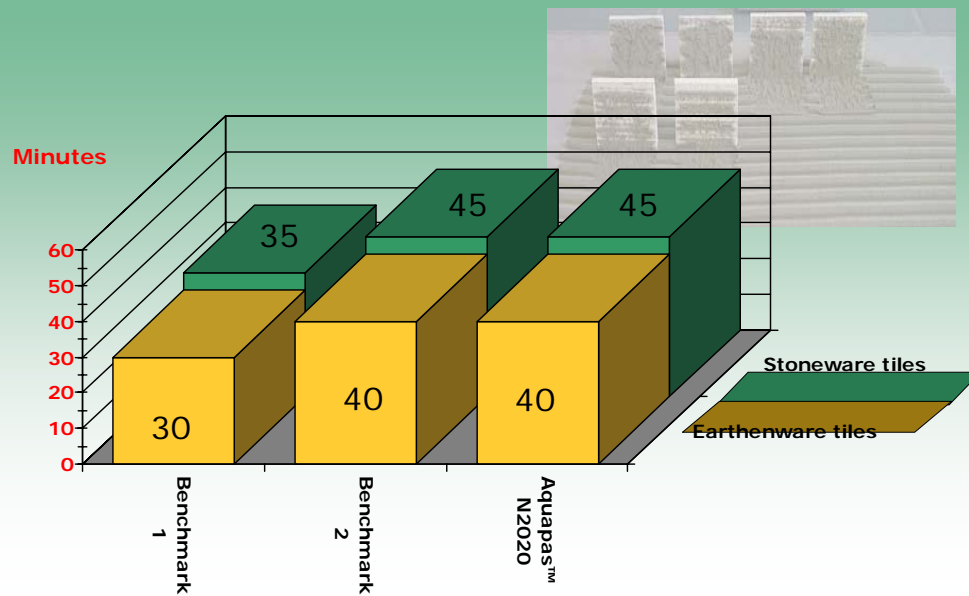
Company Proprietary 1

Test results C2TE S1: *Thickening efficiency expressed in water demand*



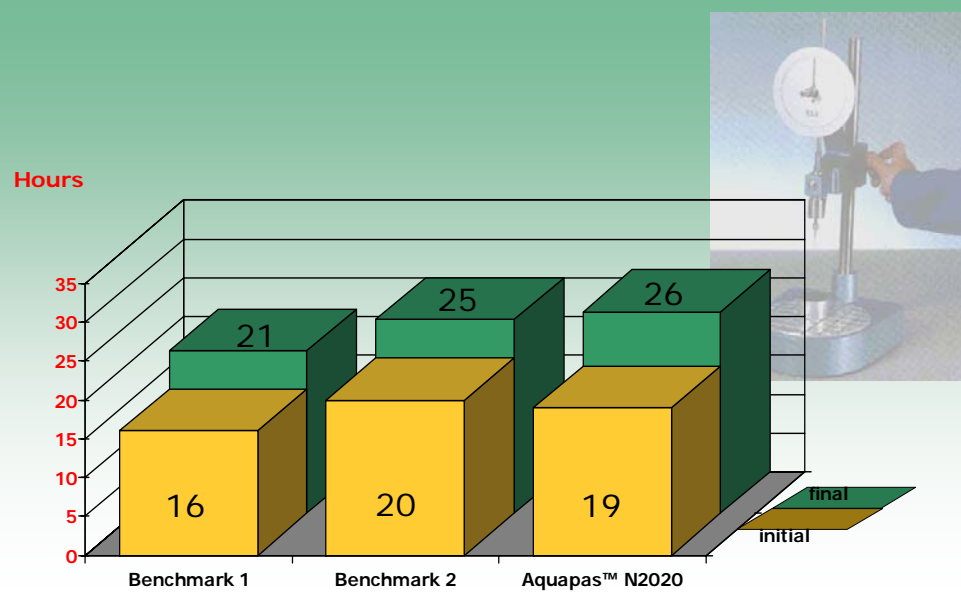
Company Proprietary 1

Test results C2TE S1: *Visual open time*

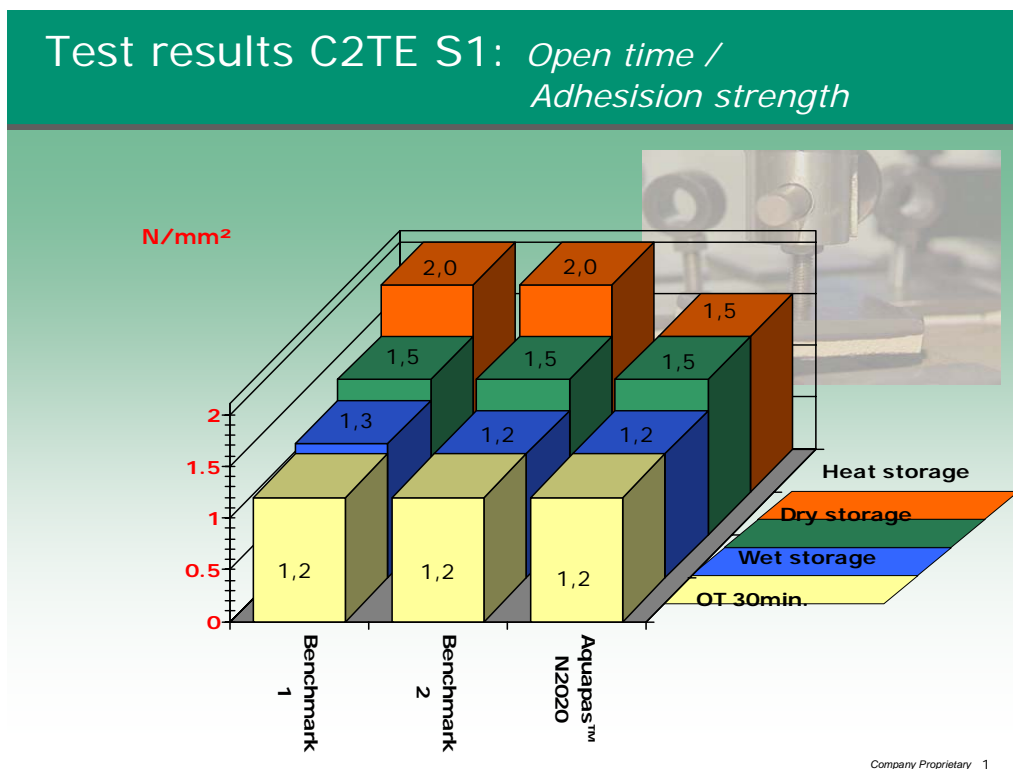


Company Proprietary 1

Test results C2TE S1: *Setting time*



Company Proprietary 1



Storage

Aquapas™ N2020 should be stored in a cool place and protected from moisture. Exposure to high temperature or humidity will increase the chance of caking. The product should be used within 6 months of receipt. Any opened containers should be resealed in a moisture proof container to prevent caking. Pallets should not be stacked or put under pressure to prevent caking.

Safety

Please refer the MSDS for complete safety information.

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