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## Testing of expanding grout V1/50 – 2006

(1 appendix)

### Test samples

Test samples 10 bags each containing 25 kg pre-fabricated grout designated "V1/50 Pagel-Grout" 11-08-2006.

### Sampling

The test samples were sent from the manufacturer's plant in Essen. SP didn't participate in the sampling.

### Testing

The testing was performed in accordance with Table 4 in Appendix 2 to SPCR 040 "Certification of expanding pre-fabricated grout by P-marking".

### Test results

The test results are listed in the table in Appendix 1.

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### Appendix

1 Test results

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**Mixing procedure**

Bags marked :	V1/50 PAGEL VERGUSS
Mixer :	Concrete mixer
Water addition :	12,0 %
Mixing time :	3 + 2 minutes
Temperature :	18,2 °C (in the room)
“ : ” :	19,9 °C (in the grout)
Mixing amount :	2 bags containing 25,0 kg each

**Test results V1/50**

Property	Test method	Result SP	Result PAGEL
<b>Dry mortar</b>			
Chloride content, %	SS-EN 196-2	0,01	-
<b>Fresh mortar</b>			
Fluidity 5 min, mm	SP-method 1651	476	-
Fluidity 15 min, mm		458	-
Filling up capacity	SP-method 1614	Number of surface pores: 16 st à 20-200 mm <sup>2</sup> 0 st > 200 mm <sup>2</sup>	-
Bleeding, %	SS-EN 445	0,0	-
Volume change, %	SS-EN 445	+ 1,6	-
Air content, %	SS-EN 1015-7	1,8	-
<b>Hardened mortar</b>			
Compressive strength, MPa (20°C)	EN 196-1		
1 day		45,5	
28 day		93,1	
Frost resistance, kg/m <sup>2</sup> after 56 cycles	SS 13 72 44 edit 4 procedure I A	0,02	-