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## Short version to the TEST REPORT Nr.: 25060178/Gi from 2006-06-19

**SUBJECT: Testing of the repair mortar „EMACO Nanocrete R4“ according to prEN 1504-3:2005-11, Degussa CC Belgium, Factory Ham**

TEST  
SPECIFICATIONS:

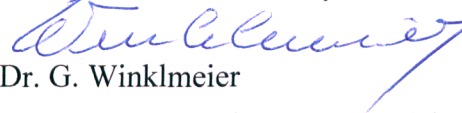
Test	Standard	Requirements acc. to prEN 1504-3:2005-11 classification R4
Compressive strength (28 days) [MPa]	EN 12190	≥ 45
Chloride ion content [M.-%]	EN 1015-17	≤ 0,05
Elastic Modulus (28 days) [GPa]	EN 13412	≥ 20
Adhesive bond (28 days) [MPa]	EN 1542	≥ 2,0
Adhesion after restrained shrinkage/ expansion [MPa]	EN 12617-4	≥ 2,0
Adhesion after Freeze/Thaw (50 cycles with salt) [MPa]	EN 13687-1	≥ 2,0
Adhesion after Thunder/ Shower (50 cycles) [MPa]	EN 13687-2	≥ 2,0
Adhesion after dry cycling (50 cycles) [MPa]	EN 13687-4	≥ 2,0
Carbonation resistance [mm]	EN 13295	≤ 2,5 (reference concrete MC(0,45))
Capillary absorption [ $\text{kg m}^{-2} \text{h}^{-0,5}$ ]	EN 13057	≤ 0,5

**TEST RESULT:** The repair mortar „EMACO Nanocrete R4“ has fulfilled all requirements of the class

**R4**

according to prEN 1504-3:2005-11 .

Head of the test laboratory

  
Dr. G. Winklmeier



Official in charge

  
Dr. A. Gies-Schuma

English translation - you are advised to use this translation in conjunction with the original language document. In case of doubts, the German language document shall prevail.