

**The results
of testing waterproofing materials of the system PENETRON**

1. Penetron Admix

On the 20.03.08, limited liability company OOO "ZhBK-9" has produced 240 m³ of ready-mixed concrete M250 for base plate of the object "Novyj Gorod", Cheboksary city. The concrete was prepared with the application of waterproofing material of Penetron Admix which has been introduced into concrete mixture in the amount of 1 % from the weight of the cement. The laboratory of the OOO "ZhBK-9" executed the sampling of concrete mixture of working composition according to GOST 12730.0-78, and 6 sample cylinders with D=150 mm, H=100 mm for testing the concrete for water resistance were made according to GOST 12.730.5-84. The samples have been stored in the chamber of normal hardening at the temperature (18-22) °C and relative humidity 95-98 % till 13.04.08; prior to the test they have been conditioned in the premises of the laboratory within twenty-four hours till 14.04.08. Testing the samples of concrete for water resistance has begun on 14.04.08 and has been finished on 17.04.08. Actual water resistance of concrete was B12 instead of B10 required by the project, and water seepage through the samples has not been observed. The tests have been stopped because of weak rubber linings which did not provide water tightness of the installation at the pressure over 1,2 MPa.

2. Penetron

OOO "ZhBK-9" widely applies waterproofing material Penetron in its work for sealing shrinkage and power cracks in reinforced concrete and concrete products in the cases of formation of such cracks in the course of production.

Conclusion: application of waterproofing materials of the system Penetron allows to obtain the concrete with water resistance above B10, and to make qualitative furnish of products in the case of formation of shrinkage and power cracks in them in the course of production

The head of the TsZP

OOO ZhBK-9

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