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## TEST REPORT No. 80-09-0451

### ORDER:

No. 80090281  
Ordered by: HYDROSTOP, Ltd  
Karpatska 15  
058 01 Poprad

### TESTING SUBJECT:

Product: XYPEX ADMIX C 1000 A crystalline waterproofing additive for concrete  
XYPEX ADMIX C 1000 NF crystalline waterproofing additive for concrete

Manufacturer: XYPEX CE, Ltd  
Thakurova 7  
160 00 Prague 6  
Czech Republic

Facility: XYPEX CE, Ltd  
Jihlavská 560  
588 51 Batelov u Jihlavy  
Czech Republic

Standards: STN EN 206-1: 2002/A1: 2004/A2; 2005/NA: 2009 Concrete, Part 1, Specification, properties, preparation and agreement

### PRODUCT SAMPLE:

Description: XYPEX ADMIX C 1000 A crystalline waterproofing additive applied during preparation of cubes of concrete class C25/30 in rate 2% of weight of cement  
XYPEX ADMIX C 1000 NF crystalline waterproofing additive applied during preparation of cubes of concrete class C25/30 in rate 1% of weight of cement  
Preparation of concrete cubes class C25/30 without additive

### Identification

(by client): XYPEX ADMIX C 1000 A – marked XA 2%  
XYPEX ADMIX C 1000 NF – marked XA NF 1%  
Concrete with no additives – marked X-

Produced: no data  
Place and date: no data  
By: no data  
Received: testing laboratory TSUS, on 18.09.2009 and 13.10.2009  
Lab ref: sample number 253/2009

## TESTS:

### Depth of water penetration under pressure – accredited test

Test procedure: STN EN 12390-8: 2001 Testing of hardened concrete. Part 8: Depth of water penetration under pressure.

Description of testing samples: 150x150x150 mm concrete cubes class C25/30 with XYPEX ADMIX C 1000A, XYPEX ADMIX C 1000 NF, and without additive XYPEX.

Samples prepared by: client

Test environment: typical laboratory environment, temp. 20 °C ± 5 °C, rh 50-90%

Variations from standard test: none

Date of testing: 03.11.2009 – 06.11.2009, 06.11.2009 – 09.11.2009, 09.11.2009 – 12.11.2009

Tested by: Anton Onofrej

### Apparatus and Equipment

#	Name	Range	Unit	Divisions
M800308	Measuring caliper	150	mm	1 mm
Z800008	Apparatus for measuring water resistance	-	-	-

## RESULTS

Table 1

Max error (mm)		0.05	Samples with XYPEX ADMIX C 1000 A			
Sample ID	Start of Test (date&time)	End of Test (date&time)	Direction of water pressure to concrete placement	Max depth of penetration (mm)	Max depth of penetration corrected to 1mm ± U	Condition of surfaces not exposed to water pressure
XA 2%	03.11.2009 9:00am	06.11.2009 9:00am	Perpendicular	8	8	No moisture
XA 2%			Perpendicular	5	5	No moisture
XA 2%			Perpendicular	18	18	No moisture

Table 2

Max error (mm)		0.05	Samples with XYPEX ADMIX C 1000 NF			
Sample ID	Start of Test (date&time)	End of Test (date&time)	Direction of water pressure to concrete placement	Max depth of penetration (mm)	Max depth of penetration corrected to 1mm ± U	Condition of surfaces not exposed to water pressure
XA NF 1%	09.11.2009 9:00am	12.11.2009 9:00am	Perpendicular	30	30	No moisture
XA NF 1%			Perpendicular	20	20	No moisture
XA NF 1%			Perpendicular	25	25	No moisture

**Table 3**

Max error (mm)		0.05	<b>Reference Samples without XYPEX</b>			
Sample ID	Start of Test (date&time)	End of Test (date&time)	Direction of water pressure to concrete placement	Max depth of penetration (mm)	Max depth of penetration corrected to 1mm ± U	Condition of surfaces not exposed to water pressure
X-	06.11.2009 9:00am	09.11.2009 9:00am	Perpendicular	110	110	No moisture
X-			Perpendicular	120	120	No moisture
X-			Perpendicular	110	110	No moisture

Prepared on: 26.11.2009

Prepared by: Ing. Rudolf Kohler

Approved by: Ing Rudolf Kohler  
Head of SP

Notes:

- As the samples were not prepared by the staff of the testing laboratory, details regarding preparation etc. are based on information provided by the client.
- Tests were completed according to test method no. PP-003 of the testing laboratory in accordance with test procedures.
- Obtained results are for the samples tested only.
- This test report can be only reproduced in whole unless approved by the laboratory in writing.

End of Test Report