

TEST RESULTS
product used for water protection of concrete elements surfaces
RADCON FORMULA No. #7

Contractor: **GIFIKS-GM d.o.o.**
10 000 Zagreb, Heinzelova 51a

TESTED FEATURE	TEST RESULT	
	VALUES	TESTING METHOD
Surface adhesion strength on the prepared concrete slab ▪ prepared concrete slab ▪ prepared concrete slab + Radcon #7	3,3 MPa 3,2 MPa	HRN EN 1542
Resistance on freezing cycles with deicing salt ▪ concrete ▪ concrete + Radcon #7	resistant (1 – moderate spalling) otporan (1 – moderate spalling)	HRN U M1 055
Adhesion strength by Pull-off test after freezing and thawing cycles with deicing salt ▪ concrete ▪ concrete + Radcon #7	2,2 MPa 2,4 MPa	HRN U M1 055 i HRN EN 1542
Resistance on thermal shock (by Pull-off test) ▪ concrete + Radcon #7- layer of asphalt and after cooling the asphalt is removed ▪ concrete + Radcon #7 after exposure to high temperature of air (200 °C/2h)	2,8 MPa 2,9 MPa	Modify. TP-BEL-EP item 3.3.3.2, & HRN EN 1542
Water impermeability at active pressure of 6 bars performed on the treated (active) side, ▪ concrete ▪ concrete + Radcon #7, active side	- permeable - impermeable	HRN EN 12390-8
Depth of penetration	15 to 20 (mm)	prEN 14630
Coefficient of the capillary absorption of water ▪ concrete ▪ concrete + Radcon #7	0,32 (kg / m ² √h) 0,02 (kg / m ² √h)	HRN U.M8.300
The drying rate coefficient (drying test for hydrophobic impregnation)	100 %	HRN EN 13579
Testing of hardness according to Mohs ▪ concrete ▪ concrete + Radcon #7	3 5	HRN EN 101

CONCLUSION:

The results of the tests performed show that the product is suitable for use in concrete impregnation and water impermeable membrane in buildings and bridge structures.

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