


TECHNICAL SPECIFICATION TKR BASIC COATING, TKR GEL AND TKR PIPING COMPOUND

Base materials	Concrete, metal, wood, polystyrene, glass fibre, rubber, stone		
Working methods	Brush, spatula, roller, casting, spray		
Hardness	Adjustable Shore A40D-75+		
Tensile strength	6-25 N/mm ²		
Adhesion strength: metal	100-250 kp/cm ² depending on hardness Always cohesive failure, value depends on flexibility/hardness set		
concrete	26-35 kp/cm ² , 100% concrete breakage		
Portioning	Weighing accuracy +/- 3%		
Pot life	Mixed coating ca. 25 m in. (T=20 °C)		
Hardening	Dust dry 12 h, light wearing 1 day, final hardness 7 days second treatment 2-16 h after the first treatment when T = 16-25 °C.		
Levelling	On horizontal surfaces the product evens out by itself. On slanting surfaces apply many thin layers at 4-hour intervals.		
Gas emissions	No harmful gases released during mixing and after hardening.		
Dry content	100 %		
Density	Plastic part 950-1050kg/m ³		Hardener part 1230 kg/m ³
Temperatures	Installation 16-50 °C	Storage 16-25 °C	Finished product -40 -- +120°C (+200 °C special application)
Fire grading	95/28/EC, L		
Gloss	Semigloss	Thinner	Not used
Coverage	Concrete 1 kg/m ² (1mm thickness) av. 1 kg = 1-3m ² Steel av. 1 kg = 2-5 m ²		
Filling materials	For example quartz sand or rubber granules can be mixed on the surface of and in TKR Coating.		
Shrinkage	Does not shrink	Humidity	Forms a watertight film
UV resistance	Direct sunlight can alter the colour of the coating		
Flexibility	+25 °C Shore A50, 160%	Shore D60 18%	
Electrical conductivity	Electrical insulating material, does not conduct electricity		
Static properties	Antistatic		
Tests	<p>VTT Research Report No. TEX 9910 Determination of tensile strength and the related stretch Resistance, Water absorption, Water vapour permeability</p> <p>VTT Research Report No. TEX 978. Tensile test for measuring adhesion</p> <p>VTT standard SFS-EN 1253-2/9.1.2. Testing water tightness of the seam between the gully and the coating</p> <p>VTT Test Report No. VTT-S-06446-09 Testing of waterproofing system</p> <p>Waterproofing certificate No. VTT-C-4748-09</p> 		
	<p>At VTT according to directive 95/28/EC. Fire testing (in accordance with ISO 3795, SFS 5337, DIN 75200 and FMVSS 302).</p> <p>Tampere University of Technology: Salt spray tests, Compression strength</p> <p>Betonialan Ohutiekeskus Oy: Acid tolerance test, Adhesion strength test</p> <p>Regional office of the Finnish Institute of Occupational Health, Turku</p> <p>Tests required for M1 emission classification, such as</p> <p>Formaldehyde result: < 0.02 mg (m²h)</p> <p>Ammonia result: < 0.01 mg (m²h)</p> <p>Carcinogens result: < 0.002 mg (m²h)</p>		
Industrial safety	Ready-measured product must not be in contact with skin (it adheres)		
Safety data sheet	Delivered with the first order		







Package sizes

Portions to be weighed:
14 kg, 3 kg, 2 kg and 1 kg packages
Ready-weighed:
3 kg, 1.5 kg and 320 g packages

Colour chart

TKR Basic Coating and TKR Gel

Group 1

	Colourless	0
	White	02
	Dark grey	03
	Light grey	13
	Light grey	47
	Black	01

Group 2

	Light blue-grey	14
	Light green-grey	16
	Light blue	15
	Dark brown	
	Beige	
	Ochre	
	Yellow	
	Green	17
	Green	35
	Blue	07
	Blue	04
	Blue	18

Group 3

	Silver
	Red

The colour tones of the brochure may deviate from real colours. Mixing service also