

Technical Data Sheet
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SikaTop®77D

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Bonding Agent

Description	A water and oil resistant emulsion which produces bonding coats and polymer modified sand and cement mortars with high mechanical strengths coupled with good resistance to oil and water.
Use	<ul style="list-style-type: none"> ■ As a bonding agent for mortar, rendering and floor screeds ■ As a patching and repair mortar ■ As a bonding coat between concrete and rendering (wet on wet). ■ As a bonding agent for joining old and new concrete. ■ Abrasion resistant coverings in hydraulic structures, drainage channels, Sewage plants etc. ■ Pointing brickwork.
Advantages	<ul style="list-style-type: none"> ■ Improvement of the mortar properties : ■ Excellent adhesion. ■ Improved elasticity. ■ Reduced shrinkage. ■ Good water and oil resistance. ■ Improved chemical and abrasion resistance. ■ Improved mechanical resistance.
Dosage	Added to the mixing water within the range 1:0 – 1:1.5 depending on application
Instruction For Use	
Surface Preparation	Concrete surface should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles.
Mixing	Add to the mixing water prior to its addition to the dry mix aggregates and mix until the desired consistency is achieved.
Limitation	Do not use SikaTop 77D as bonding coat without adding cement and sand

Application

Application	SikaTop : Water	Cement: Sand	Sand grade mm	Consumption kg/m ³ per cm thickness
Bonding coat for rendering mortar, floor screed	1 : 0	1 : 0.6 - 1	0 - 2 max	4.6 - 6
Patching / levelling Mortar				
Coat < 10mm	1 : 0	1 : 1 - 3	0 - 6 max	2.2 - 4.6
Coat > 10mm	1 : 0.5	1 : 3	0 - 6 max	1.4 - 2.0
Abrasion resistant floor screed				
heavy duty	1 : 0 - 0.5	1 : 2 - 3	0 - 8 max	1.4 - 3.8
normal duty	1 : 0.5 - 1.5	1 : 2 - 3	0 - 8 max	0.8 - 2.6
Smooth finishing coats for leveling	1 : 0.5 - 1	1 : 2	0 - 1 max	1.4 - 2.6



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Technical Data

Type	Synthetic Resin Dispersion
Colour	White
Specific Gravity	Approx. 1.01kg / ltr
Shelf Life	Minimum 1 year if stored in unopened original container
Storage	Dry cool, shaded place
Packaging	20 kg can 200 kg drum

Handling Precautions	■ Avoid contact with skin and eyes
	■ Wear protective gloves and eye protection during work
	■ If skin contact occurs, wash skin thoroughly
	■ If in eyes, hold eyes open, flood with warm water and seek medical attention without delay

Legal Notes

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