Product Data Sheet
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SikaTop® Seal 107

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2 Pack Acrylic cementitious waterproofing coating system

Product Description	SikaTop® Seal 107 is a two part acrylic polymer modified cementitious liquid applied waterproofing coating system		
Uses	SikaTop® Seal -107 is used for external and/or internal waterproofing in the following structures		
	■ Water Tanks		
	■ Basements		
	■ Terraces & Balconies		
	■ Bridges		
	Retaining walls		
	Sea Walls		
	Flat Roofs		
	SikaTop® Seal 107 should be used with suitable protection layer as a part of the waterproofing system		
Characteristics /	Easy to apply by brush or in thin trowel applications		
Advantages	No additional water is required to make the slurry		
	■ Pre batched components		
	Hand or Spray applied		
	Easy and fast mixing		
	 Very good adhesion with sound and prepared substrates 		
	 Protects concrete against water penetration, chloride and carbonation 		
	 Non Corrosive to steel and iron 		
	 Approved for potable water contact 		
	Flexible enough to bridge hairline crack		
Tests			
Approvals / Standards	Conforms to: IS 6582 (Compatibility with drinking water)		
	Conforms to : ASTM D 2370		
Product Data			
Form			
Appearance / Colour	Part A : White Liquid		
	Part B : Grey Powder		
	Mixed Product : Cement Grey		
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Packaging	5 kg System (Combipack) Part A: 1.0 kg container X 6 Part B: 4.0 kg bag X 6	
	25 kg System: Part A: 5.0 kg container X 2 Part B: 20.0 kg bag X 2 Part (A+B): 25 kg X ready to mix units	
Storage		
Storage Conditions / Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry and cool conditions. Liquid component must be protected from frost.	
Technical Data		
Chemical Base	Part A : Liquid polymer & additive Part B : Portland Cement with selected aggregate and additive	
Density	Fresh Slurry: ~ 2.0 kg/ ltr at 27°C	
System Layer Thickness	1.5 – 2.0 mm avg thickness with SikaFab1	
Mechanical / Physical Properties		
Compressive Strength		
at 27°C	3 days ~ 2 N/mm ²	
	28 days ~ 20 N/mm ²	
Tensile Strength	~ 4.56 N/mm² after 14 days exposure According to ASTM D 2370	
Pull Out Bond Strength	~ 2 N/mm² (Concrete Failure)	
Elongation at Break	~ 8-10 % with SikaFab 1	
System Information	i	
System Information	Exposed Roofing-system Layer thickness : ~1.5- 2 mm	
	Base Coat : 1 x SikaTop® Seal 107	
	Fabric reinforcement : 1 x Sika Fab 1	
	Top Coat : 1 x SikaTop® Seal 107	
	Concealed Roofing-system:	
	Layer thickness : 1.5 mm	
	Base Coat : 1 x SikaTop® Seal 107	
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Fabric reinforcement : 1 x Sika Fab 1

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Top Coat

UV-protection

SikaTop® Seal 107

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: 1x SikaTop® Seal 107 + Separation Layer

: Screed concrete with slope (min avg. Thickness 50 mm)

Application Details			
Consumption / Dosage	Coating System	Product	Consumption
	Exposed Roofing-system,	1 x SikaTop® Seal 107 First Coat	~ 1.5 kg/m²
		1 x Sika [®] Fab-1	~1 sq.mt / sq.mt
		1 x SikaTop® Seal 107 Top Coat	~ 1.5 kg/m²
	Concealed Roofing- system	1 x SikaTop® Seal 107 First Coat	~ 1.5 kg/m²
	(according to ETAG 005)	1 x Sika [®] Fab-1	~1 sq.mt / sq.mt
	(according to ETTIC 600)	1 x SikaTop® Seal 107 Top Coat	~ 1.5 kg/m²
	upto 1m head pressure ~ coat. Three coats may be kg/m² of SikaTop® Seal 10	application, 2 coats are always req 1.5 kg/m ² per coat. Above 1m head required in areas of extremely high 07 is sufficient to cover one square te the consumption would be less.	pressure ~ 2 kg/m ² per infiltration. Normally 3
Substrate Quality		ucturally sound and free of all conta aitance, oils and grease etc.	aminants, loose and
	The Concrete Pull Off (te	nsile adhesive) strength must be >	1 N/mm²
Substrate Preparation	General:		
		epared by suitable mechanical prep tting, needle guns, blast cleaning et ace dry (SSD) condition.	
	For Pore/Blowhole filling	g:	
	Blast clean to remove all o	contaminants within pores / blowhol	les
Application Conditions / Limitations			
Substrate Temperature	+10°C min. / +40°C max.		_
Ambient Temperature	+10°C min. / +40°C max.		
Application Instructions			
Mixing	Used as slurry Part A : Pa	art B = 1: 4 (by weight)	
Mixing Time/ Tools	(liquid) to be used. Under components are mixed to consistency use only 90% the powder component to	x can be altered by reducing the an normal circumstances, when the fugether, a slurry consistency will resulved to component A. Mix in a clean couthe liquid component and stirring whinutes until free from lumps.	Ill quantities of both ult. For trowellable ntainer by slowly adding
Application Method / Tools	Dampen all the surfaces immediately ahead of SikaTop [®] Seal 107 application. While the surface is still damp from saturation, apply the first coat and leave to harden (2-6 hrs). For slurry consistency apply with a hard bristled brush or broom. For trowellable mortars use a notched trowel. After the second coat has been applied, finish by rubbing down with a soft, dry sponge.		
	As a Slurry:		
	Apply the mixed SikaTop@brush. Applied in the same	Seal 107 mechanically, by spray of edirection.	or by hand usinga stiff
		SikaTop® Seal 107, applied by brus soon as first coat has hardened.	sh in crosswise direction
Cleaning of Tools		ation equipment with clean water im aterial can only be removed mecha	

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SikaTop® Seal 107

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Pot life	~ 35 minutes at 27°C
Waiting Time / Overcoating	2- 6 hours between consecutive coats
Notes on Application / Limitations	Avoid application in direct sun and/or strong wind. Do not add water in any circumstances. Apply only to sound, prepared substrates. Do not exceed maximum layer thickness.
	For waterproofing or damp proofing application, always use atleast 2 Coats to give a total thickness of between $1.5-2$ mm. In areas of severe water penetration, three coats might be required.
	Protect freshly applied material from freezing conditions, rains etc.
	SikaTop® Seal 107 does not provide a trafficable finish. In case the roof needs to be made trafficable a screed need to be laid on the finished system with a separation layer in between.
Curing Details	
Curing Treatment	It is essential to cure SikaTop® Seal 107 immediately after application for a minimum of 3 to 5 days to ensure full cement hydration and minimise cracking.
	Use polythene sheeting or similar approved methods.
Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
Legal Notes	The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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