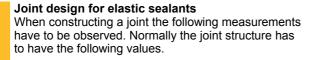
Sikaflex[®]-1A

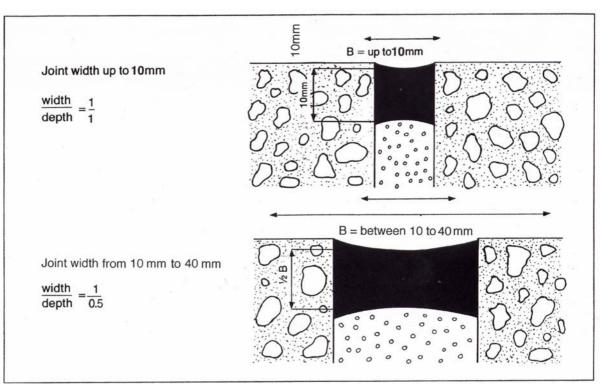
Versatile One-Part Polyurethane Sealant

Product	A one-component, moisture curing, polyurethane joint sealant. Complies with:
Description	U.S. Federal Specification TT-S00230C Type II Class A.
	Label de SNJF Type 1 Cat. 1 (France).
	ASTM - C920 Type - S Grade N.S.
	CEBT Norm 85401 (France)
	Canadian Board 19-GP-16a Type II.
	U.K. Agreement Board 83/1106 BS 4254.
	■ J.I.S A5754.
Uses	Sikaflex [®] -1A has excellent adhesion to many materials. It is used extensively in
	both civil engineering and building construction for sealing:
	Around windows.
	On roofs and terraces.
	Parapets and retaining walls.
	Between precast elements.
	Drinking water reservoirs.
	Suitable on full submerged areas.
	Sewage tanks and sewage treatment plants.
Advantages	Easy and economical in use.
	Excellent adhesion without primer on most materials.
	Outstanding aging and weathering properties.
	Non-sag in both vertical and overhead joints.
	Good resistance to micro-organisms.
	Resistant to salt water.
	Good chemical resistance.
	Suitable for contact with drinking water.
	Resistant to city sewage medium.
	One-component, ready for use.
Certificate of Approval	The Egyptian National Organisation for Water And Sanitary Water.
Agreement/UEAtc	Sikaflex [®] -1A conforms to the following European UEtc Directive for the assessment
Approved	of Building sealant with the following code:
Approved	0 0
	A ₃ R ₅ M ₄ S ₂ E ₂ A ₃ = total joint deformation up to 25% of joint width.
	R_5 = elastic recovery in excess of 90%.
	M ₄ = shear modulus over 0.5 Mpa.
	S_2 = slump resistant up to a joint width of 40 mm.
	E_2 = resistant to direct contact with water even prior to curing.
	International and Local approval certificates available on request.
Product Data	
Туре	Polyurethane Elastomer
Colour	White, light grey, concrete grey, brown, black.
	Other colours are available on request.
Packaging	310 ml cartridges (12 per carton)
	310 ml unipacs (12 per carton)
	600 ml unipacs (20 per carton)
Storage	Store at temperatures between + 5°C and 25°C. Keep away from moisture and
	heat.
Shelf life	12 months from date of production if stored properly in original unopened packing.

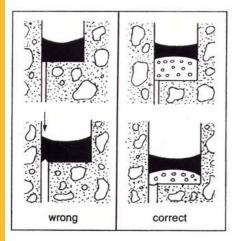


Technical Data								
	12 124	n/l (dopond	ling on cold	our)				
Density Movement Capacity	<u>1.2 - 1.3 k</u> ± 25% of t							
Shore A-Hardness	± 23 /0 01 ti	ie average	joint widti	1.				
DIN 53505	25 - 35 (af	ter 28 davs	s at 23°C /	50% r.h.)				
ASTM-D-2240	25 - 35 (after 28 days at 23°C / 50% r.h.) 40 ± 5 (at 21 days)							
Curing Time	1 - 1.5 mm/day (depending on temperature and r.h.)							
Tensile Strength	-		- 0		/			
DIN 52450	50% elong	ation at 20	°C = 0.15 ·	- 0.18 N/m	m ²			
	100% elongation at 20°C = $0.2 - 0.3$ N/mm ²							
ASTM -D, 412	140 psi at 21 days							
Elongation at Break								
DIN 52455	> 400%							
ASTM-D, 412	700% at 21 days							
Recovery	> 80%							
Application Data								
Joint configuration	Minimum joint depth for movement joints: 8 mm							
-	Maximum joint width : 40 mm							
	Width /	depth ratio	for joints ι	up to 10 m	m wide	1:1		
					n to 40 mm			
Note					gulated app			
Consumption			-1A quanti	ties (for fill	et work mu	Itiply metro	e run per c	artridge or
	"sausage"	•	r	r	1		1	
		Liter	Meter run	Meter run	1	Liter	Meter run	Meter run
	Joint size	Sikaflex®	per	per	Joint size	Sikaflex®	per	per
	in mm	-1A per	Cartridge	Sausage	in mm	-1A per	Cartridge	unipak
	EXE	meter run	10.4		20 v 10	meter run	1 66	2
	5 x 5	0.025	12.4		20 x 10	0.200	1.55	3
	5 x 10	0.050	6.2		20 x 15	0.300	1.04	
	5 x 15	0.075	4.2		20 x 20	0.400	0.78	1.5
	10 x 10	0.100	3.1	6	25 x 12.5	0.310	1.00	1.94
	10 x 15	0.150	2.0		25 x 15	0.380	0.81	1.58
	10 x 20	0.200	1.55		25 x 20	0.500	0.62	1.20
	10 x 25	0.250	1.24		25 x 25	0.630	0.50	0.95
	15 x 10	0.150	2.06		30 x 15	0.450	0.69	1.33
	15 x 15	0.225	1.35	2.70	30 x 20	0.600	0.51	1.00
	15 x 20	0.300	1.04	2	30 x 25	0.750	0.42	0.80
	15 x 25 15 x 30	0.375	0.82		40 x 20 40 x 25	0.800	0.39	0.75
		0.450	0.69				0.31	0.60
	15 x 40	pint design	0.51	1.00	40 x 30	1.200	0.26	0.50
Surface Preparation				, and froo	from oil (20000.000		y adhering
Surface Freparation	particles.	s must be		y anu nee		Jiease and		y aunenny
Application	particles.							
Service Temperature	30°C to +80°C							
Application Temperature	-30°C to +80°C +5°C to 35°C							
Priming			s such a	s concret	te render	brickwoi	rk and tir	mber, use
	Sika Prime	er [®] -3.	0 00011 0	0011010		, 51101(1101	in and a	noor, doo
	For other s	substrates	consult Sik	a Primer C	Chart.			
Application	Sikaflex [®] -	1A is appli	ed direct fr	om the car	tridge or th	ne unipac v	vith a suita	ble sealant
	gun.				U U	•		
Back -up	Use closed cell polyethylene profiles.							
Cleaning	Clean all to	ools and ed	quipment ir	nmediately	ager use v	with Sika C	Colma Clea	ner.
Important Notes	📕 Do not	use Sikafle	ex [®] -1A for	expansior	n joints in v	veak buildi	ing materia	als such as
	cement	mortar, ae	erated cond	crete or rigi	id foam.			
							pounds an	nd silicone
	treatme	ents are rer	noved or te	est for ade	quate adhe	sion first.		
	Althoug	h still goo	d functiona	ally, white	Sikaflex	-1A may o	discolour s	lightly with
		ternal appl		o ocalant		hulo en el l'	unid datas	
					use a spa		laia aeterg	ent diluted
	1 : 10 with water (for smoothing).							
	If the sealant is to be used for other applications, consult our technical service.							
	 Not to be used for glazing. Sikaflex[®] -1A may be over-coated, preliminary adhesion / compatibility testing is 							
	Skallex - TA may be over-coaled, preliminary adhesion 7 compatibility testing is necessary.							
	Do not apply to concrete treated with "glazing" coating.							
	For contact with drinking water, sealant must have cured for at least 3 weeks.							
			-					



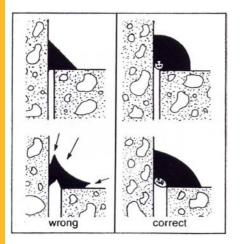


For concrete and masonry joints subject to movement the depth of the joint has to be at least 8 mm





The "floor" of the joint must not restrict the deformation of the sealant since could result in failure during joint opening. The depth of the joint should be adjusted by inserting Sika Backing Rod



In corner joints the insertion of a strip of Sika Backing Rod is required. Otherwise the sealant will fail during expansion of the joint.

Note: Joints wider than 35 mm should normally be triangulated in accordance with standard practice.

Safety Instructions	
Ecology	Do not dispose of into water or soil but according to local regulations.
Transport	Non-hazardous
Safety Precautions	Wear rubber gloves during application, change soiled clothes after work and wash hands with warm water and soap.
Toxicity	Non-toxic under relevant health and safety codes.
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 products when properly stored, handled and applied under normal conditions. 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request. For further technical information, please consult our technical service department.



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