Product Data Sheet Edition 18/08/2011 Identification no: 02 08 01 04 022 0 000003 Sikafloor<sup>®</sup>-31N PurCem<sup>®</sup>

# Sikafloor<sup>®</sup>-31N PurCem<sup>®</sup>

Solvent free polyurethane coating

Product Description	Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> is a three part, solvent free, high build, coloured, matt finish, polyurethane modified, cement and aggregate coating with excellent chemical resistance and very good resistance to abrasion and mechanical damage.
	Typically applied in two coats for a total of 0.2 - 0.25 mm.
Uses	Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> is designed to be used as:
	Stand alone, high build coating or as a seal coat for covings and details performed with Sikafloor <sup>®</sup> -29N PurCem <sup>®</sup> or other products in the Sikafloor <sup>®</sup> -N PurCem <sup>®</sup> range
	To provide an improved aesthetic finish to the products in the broadcast texture range of Sikafloor <sup>®</sup> -PurCem <sup>®</sup>
	Suitable for physical resistance (Principle 5, method 5.1 of EN 1504-9)
	<ul> <li>Suitable for chemical resistance (Principle 6, method 6.1 of EN 1504-9)</li> </ul>
	As a chemical resistant concrete coating
	in places such as:
	Food processing plants, in wet or dry process areas, freezers and coolers
	Pharmaceutical plants
	Containment areas
	Chemical process areas
<u>Characteristics /</u> Advantages	Excellent chemical resistance. Resists a wide range of organic and inorganic acids, alkalis, amines, salts and solvents. Please refer to the Chemical Resistance Chart or consult your local Technical Dept.
	Non taint, odourless
	Excellent long term wear resistance from a two coat application
	Rapid one step application. Normally, no concrete primer or sealer required
	It is possible to apply on to 7 to 10 day old concrete after adequate preparation and with a tensile bond strength in excess of 1.5 MPa (218 psi)
	Economical and easy to apply



### Tests

Tests				
Approval / Standards	Conforms to the requirements of EN 13813: 2002 as SR – B 1.5			
	Conforms to the requirements of EN 1504-2 for principles 5 (PR) and 6 (CR) as a Coating (C) $% \left( C\right) =0$			
	Concerning contact with foodstuffs, it conforms to the requirements of:			
	<ul> <li>EN1186, EN 13130, and prCEN/TS 14234 standards, and the Decree on Consumer Goods, representing the conversion of directives 89/109/EEC, 90/128/EEC and 2002/72/EC for contact with food stuffs, according to test report by ISEGA, Registered N° 24549 U 07, dated May 18<sup>th</sup>, 2007</li> </ul>			
	- USDA. Acceptance for use in food plants in the USA			
	<ul> <li>Canadian Food Inspection Agency acceptance for use in food plants in Canada.</li> <li>British Standards Specifications (BSS) acceptance for use in the UK. Campden and Chorleywood Food Research Association, Ref. S/REP/98152/4, dated March 16<sup>th</sup>, 2007</li> </ul>			
	Fire classification report according to EN 13501-1 from Warrington Fire Research Centre: WFRC No.178161, dated 24 <sup>th</sup> of November, 2008			
	Capillary absorption and permeability to water report from Taylor Woodrow Construction, Ref. 11071, dated Nov. 28 <sup>th</sup> , 2008			
	All other values indicated are internal test results.			

## **Product Data**

Form			
Appearance / Colours	Part A: Part B: Part C:	coloured liquid brown liquid natural grey powder	
	1006), Oxide red	; (all are approximate): Beige (~ RAL 1001), Maiz (~ RAL 3009), Sky blue (~ RAL 5015), Grass gr L 7037), Agate grey (~ RAL 7038), Telegrey2 (~	een (~ RAL 6010),
Packaging	Part A+B+C:	4.70 kg ready to mix units	
	Part A: Part B: Part C:	1.60 kg plastic drum 1.40 kg plastic jerrycan 1.70 kg boxes	
Storage			
Storage Conditions / Shelf-Life	If stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +10°C and +25°C.		
	Parts A and B: 12 months from date of production. Must be protected from frost.		
	Part C: 6 months from date of production. Must be protected from humidity		
Technical Data			
Chemical Base	Part A: Part B: Part C:	Water borne polyol Isocyanate Aggregates, cement and active fillers	
Density	Part A: Part B: Part C:	~ 1.07 kg/l (at +20°C) ~ 1.24 kg/l (at +20°C) ~ 1.05 kg/l (at +20°C)	(EN ISO 2811-1) & (ASTM C 905)
	Part A+B+C mixe	ed: ~1.43 kg/l ± 0.03(at +20°C)	
Capillary Absorption	Permeability to w (4 mm)	vater: 0.36 g/h/m <sup>2</sup>	(EN 1062-3)
Layer Thickness	As Top Coat: As stand alone c	70 microns min. / 140 microns max. oating: 140 microns min. / 275 microns max	
Water Absorption	0.10%		(ASTM C 413)

Permeability	To Water Vapour: 0.260 g/h/r (1.2 mm)	m <sup>2</sup>	(ASTM E-96)	
Fire Rating	Class B <sub>(fl)</sub> S1		(BS EN 13501-1)	
Service Temperature	The product is suitable for use when exposed to continuous temperatures, wet or dry, of up to +120°C when applied over Sikafloor <sup>®</sup> -20 N PurCem <sup>®</sup> in 9.0 mm thickness within the recommended open time.			
	When applied over Sikafloor <sup>®</sup> recommended open time, Sik temperature of -40°C.	<sup>®</sup> -20N PurCem <sup>®</sup> or Sikafloor <sup>®</sup> (afloor <sup>®</sup> -31N PurCem <sup>®</sup> will wi	-21N PurCem <sup>®</sup> , within the thstand a minimum service	
	As stand alone coating the co +90°C	ontinuous service temperatur	e is between -10°C and	
	Not suitable for steam cleanir	ng as stand alone coating or	thermal shock.	
Mechanical / Physical Properties				
Bond Strength	> 1.75 N/mm <sup>2</sup> (failure in conc	erete)	(EN 13892-8)	
	(1.5 N/mm <sup>2</sup> is the minimum pull of	out strength of the recommended	d concrete substrate)	
Shore D Hardness	80		(ASTM D 2240)	
Flexural Modulus	1380 MPa		(ASTM C 580)	
Coefficient of Friction	Steel: 0.3 Rubber: 0.5		(ASTM D 1894-61T)	
Slip Resistance	Slip Resistance Values		(BS 8204 Part 2)	
	Substrate	SRV Dry	SRV Wet	
	Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> over Sikafloor <sup>®</sup> -21N PurCem <sup>®</sup>	60 – 65	35 - 40	
	TRRL Pendulum, Rapra 4S S	Slider		
Abrasion Resistance	Class "Special" Severe abras AR 2 (Less than 0.2 mm wear dept	(BS 8204 Part 2) (EN 13892-4		
	1630 mg Taber Abrader H-22 wheel / 1		(ASTM D 4060-01)	
Indentation	≈ 0%		(MIL – PFR 24613	
Impact Resistance	Class A (Less than 1 mm indentation	depth)	(BS 8204 Part 1	
	2 pounds / 10 inches (1 mm	thick)	(ASTM D 2794	
	Class III (≥ 20Nm) (applied over Sikafloor <sup>®</sup> -29N	PurCem <sup>®</sup> )	(EN ISO 6272-1	
Resistance				
Chemical Resistance	Resistant to many chemicals.	. Please ask for a detailed ch	emical resistance table.	
Thermal Resistance	When applied over Sikafloor <sup>®</sup> Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> will application is done within 12	withstand thermal shock cau	ised by steam cleaning if	
	Not suitable for steam cleanir	ng or thermal shock exposure	e as stand alone coating.	
Resistance to Thermal Shock	Pass		(ASTM C 884)	
Softening Point	130°C (266°F)		(ASTM D-1525 ISO 306)	
USGBC LEED <sup>®</sup> Rating	Conforms Section EQ (Indoor Low-Emitting Materials Paints Calculated VOC content ≤ 50	s and Coatings	edit 4.2	

System Information					
System Structure	Use the products mentioned below as indicated in their respective Product Data Sheets.				
	Substrate Priming Systems				
	Substrate priming is normally not required under typical circumstances. (See Substrate Quality). When necessary use the systems indicated below.				
	System 1: moisture control on green concrete:				
	<ul> <li>Primer: Scratch coat of Sikafloor<sup>®</sup>-21N PurCem<sup>®</sup> 1.5 mm thick, lightly broadcast with quartz sand 0.4 – 0.7 mm.</li> </ul>				
	System 2: Inadequate substrate and moisture content between 4% and 6%				
	<ul> <li>Primers: Sikafloor<sup>®</sup>-155W N fully blinded with quartz sand 0.4 – 0.7 mm for the subsequent application of Sikafloor<sup>®</sup>-19N / 20N PurCem<sup>®</sup>.</li> </ul>				
	System 3: Inadequate substrate and moisture content below 4%				
	<ul> <li>Primers: Sikafloor®-155W N or Sikafloor®-156 or Sikafloor®-161 or Sikafloor®-159 for faster curing</li> </ul>				
	any of which must be fully blinded with quartz sand 0.4 - 0.7 mm for the subsequent application of Sikafloor®-19N / -20N PurCem®.				
	On porous excessively absorbent substrates use Sikafloor <sup>®</sup> -155W N, in two coats, the first thinned with 10% water and the second broadcast to refusal.				
	Heavy duty screed				
	- Layer thickness: 6 - 9 mm				
	<ul> <li>Screed: Sikafloor<sup>®</sup>-19N PurCem<sup>®</sup> or Sikafloor<sup>®</sup>-20N PurCem<sup>®</sup></li> </ul>				
	<ul> <li>Medium to heavy duty screed:</li> <li>Layer thickness: 4.5 – 6 mm (including scratch coat)</li> <li>Priming for Sikafloor<sup>®</sup>-21N PurCem<sup>®</sup>: Epoxy primer Sikafloor -156 / 161 lightly broadcast with quartz sand 0.4 – 0.7 mm, or Scratch coat: A scratch coat 1.5 mm thick, lightly broadcast with quartz sand 0.4 – 0.7 mm. will seal the surface and fill irregularities and improve appearance of the final layer.</li> <li><u>Standard screed</u>: Sikafloor<sup>®</sup>-21N PurCem<sup>®</sup> or</li> <li><u>High slip resistance screed</u>: Sikafloor<sup>®</sup>-22N PurCem<sup>®</sup> broadcast with quartz sand sealed with 2 coats of Sikafloor<sup>®</sup>-31N PurCem<sup>®</sup> depending on the desired texture. (See build up Slip Resistance in Sikafloor<sup>®</sup>-22N PurCem<sup>®</sup> PDS) Sikafloor<sup>®</sup>-22N PurCem<sup>®</sup> does not normally require any priming.</li> </ul>				
	<ul> <li>Coving and detailing and vertical applications:</li> <li>Primer: Sikafloor<sup>®</sup>-10N PurCem<sup>®</sup> Primer or Sikafloor<sup>®</sup>-156 / -161 Reprime if no longer tacky.</li> <li>Coving Mortar: Sikafloor<sup>®</sup>-29N PurCem<sup>®</sup></li> <li>Seal coat: 1 x Sikafloor<sup>®</sup>-31N PurCem<sup>®</sup></li> </ul>				

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	Seal Coat:
	<ul> <li>Base coat: Sikafloor<sup>®</sup>-20N or Sikafloor<sup>®</sup>-21N or Sikafloor<sup>®</sup>-29N PurCem<sup>®</sup></li> </ul>
	- Seal Coat: 1 x Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup>
	- Base coat: Sikafloor <sup>®</sup> -22 N PurCem <sup>®</sup>
	- Seal Coat: 1 – 2 x Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup>
	Note: These system configurations must be fully complied with as described and may not be changed
Application Details	
Consumption / Dosage	As seal coat: Over Sikafloor <sup>®</sup> -19N/20N/21N/29NPurCem <sup>®</sup> , 0.1 - 0.2 kg/m <sup>2</sup> in one coat.
	As seal coat on broadcast quartz sand: Over Sikafloor <sup>®</sup> -22N PurCem <sup>®</sup> , 0.4 - 0.6 kg/m <sup>2</sup> for the first coat and 0.3 – 0.35 kg/m <sup>2</sup> for the second coat, depending on the aggregate used
	As stand alone coating: Over an adequately prepared mineral substrate, 0.1 - 0.2 kg/m <sup>2</sup> per coat in two coats.
	This figure is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.
	Make sure the substrate is trowelled smooth to prevent any pores from appearing on the surface of Sikafloor <sup>®</sup> -31 N PurCem <sup>®</sup> .
Substrate Quality	The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm <sup>2</sup> ) with a minimum pull off strength of 1.5 N/mm <sup>2</sup> .
	The substrate must be clean, dry , or saturated surface dry (SSD) and free of all contaminants such as oil, grease, coatings and surface treatments, etc.
	Sikafloor <sup>®</sup> -PurCem <sup>®</sup> can be applied onto recent concrete over 7 to 10 days old or onto old damp concrete (SSD) without having to prime first, as long as the substrate fulfils the above requirements.
	If in doubt, apply a test area first.
Substrate Preparation	Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface to achieve CSP 3 according to the International Concrete Repair Institute.
	Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
	Repairs to substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor <sup>®</sup> , SikaDur <sup>®</sup> and Sikagard <sup>®</sup> range of materials.
	High spots can be removed by grinding.
	All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.
	For best results, applications as seal coat over recent Sikafloor <sup>®</sup> PurCem <sup>®</sup> substrates must be carried out within the recommended overcoat time of the product concerned. (See respective PDS for limitations.)
Application Conditions / Limitations	
Substrate Temperature	+10°C min. / +30°C max.
Ambient Temperature	+10°C min. / +30°C max.
Substrate Humidity	The substrate can be dry or damp with no free standing water (saturated surface dry or SSD).

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Refer to System Structure and options for substrate priming.           Relative Air Humidity         85% max.				
Polotive Air Humidity 950/ may	Refer to System Structure and options for substrate priming.			
	85% max.			
Dew Point         Beware of condensation!	Beware of condensation!			
The substrate and uncured floor must be at least 3°C above dew point to the risk of condensation or blooming on the floor finish.	reduce			
Application Instructions				
Mixing Part A : B : C = 1 : 0.88 : 1.06 (packaging size = 1.60 : 1.40 : 1.70 ) by we	ight			
Mixing Time         Material and ambient temperature will affect the mixing process. If necessary, condition the materials for best use to 15°C to 21°C.				
Premix part A and B separately, make sure all pigment is uniformly distrib a low speed electric stirrer. Add part A into a clean container and then gradually add <b>part C</b> . Mix for a minute until all powders are wetted out.				
Gradually add part B (hardener) to the mixed A and C parts and mix all in continuously and thoroughly for further 3 minutes, to ensure complete mix uniform moist mix is obtained. During the operations, scrape down the sides and bottom of the container flat or straight edge trowel at least once (parts A+B+C) to ensure complete <b>Mix full units only.</b>	ing and a with a			
	A low speed electric stirrer (300-400 r.p.m.) and an Exomixer-type mixing paddle (recommended) suited to the size of the mixing container to minimise the air entrapment.			
Application Method / Prior to application, confirm substrate moisture content, r.h. and dew poin	t.			
<b>Tools</b> Apply the mixed Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> onto the substrate using a shor medium nap roller directly from a paint tray. Push the resin well into the su making sure that the coating fully wets the surface, and then pulling back with the roler to the required thickness.	urface,			
	A slip resistant texture can be attained by seeding the first coat of Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> with selected mineral aggregates and then sealing with a second coat.			
Apply at least two coats when using as stand alone coating.	d alone coating.			
When overcoating previously laid Sikafloor <sup>®</sup> - PurCem <sup>®</sup> screeds a single c application generally provides sufficient coverage.	oat			
Cleaning of Tools Clean all tools and application equipment with Thinner C immediately after Hardened / cured material can only be mechanically removed.	Clean all tools and application equipment with Thinner C immediately after use. Hardened / cured material can only be mechanically removed.			
Potlife				
Potlife         Temperature         Time				
Temperature Time				

#### Waiting Time / Overcoating

# Before applying Sikafloor<sup>®</sup>-31N PurCem<sup>®</sup> on Sikafloor<sup>®</sup>-19N or -20N or -21N or 22N -29N PurCem<sup>®</sup> allow:

	Waiting time		
Substrate temperature	Minimum	Maximum	
+10°C	16 hours	72 hours	
+20°C	8 hours	48 hours	
+30°C	4 hours	24 hours	

Before any second coat application on Sikafloor<sup>®</sup>-31N PurCem<sup>®</sup> allow:

	Before any second coat application on Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> allow:				
		Waitin	g time		
	Substrate temperature	Minimum	Maximum		
	+10°C	24 hours	72 hours		
	+20°C	16 hours	48 hours		
	+30°C	8 hours	24 hours		
		will be affected be changing perature and relative humidity			
Notes on Application / Limitations	Do not apply to PCC (polym moisture when sealed with a	ner modified cement mortars) an impervious resin.	that may expand due to		
	Do not apply to water soake	ed, glistening wet concrete su	bstrates.		
	Do not apply to porous surfa (out-gassing) will occur duri	aces where significant moistung application.	ire vapour transmission		
	Sika <sup>®</sup> Thinner C is flammab	le. NO NAKED FLAMES.			
	Always ensure good ventila space, to prevent excessive	tion when using Sikafloor <sup>®</sup> -3 <sup>.</sup> ambient humidity.	IN PurCem <sup>®</sup> in a confined		
	Freshly applied Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> , must be protected from damp, condensation and direct water contact (rain) for at least 24 hours.				
	Avoid puddles on the surface.				
	Steam cleaning of Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> as stand alone coating may lead to delamination due to thermal shock.				
	Do not apply below 9°C or above 31°C or a maximum relative humidity above 85%.				
	Do not apply to un-reinforced sand cement screeds, asphaltic or bituminous substrate, glazed tile or non-porous brick, tile and magnesite, copper, aluminium, soft wood or urethane composition, elastomeric membrane and fibre reinforced polyester (FRP) composites.				
	Do not apply to wet or green concrete or polymer modified patches if the moisture content is above 10%.				
	Do not apply to concrete if the air or substrate temperature is within 3°C of the dew point.				
	Protect the substrate during application from condensation from pipes or any overhead leaks.				
	Do not mix Sikafloor <sup>®</sup> -PurCem <sup>®</sup> products by hand. Use only mechanical means.				
	Do not apply to cracked or unsound substrates.				
	Avoid puddles during application.				
	Colour uniformity can not be completely guaranteed from batch to batch (numbered). Take care when using Sikafloor <sup>®</sup> -PurCem <sup>®</sup> products to draw from inventory in ba				
	tch number sequence. Do not mix batch numbers in a single floor area.				
	Always allow a minimum of 48 hours after product application prior to placing into service in proximity with food stuffs.				
	exposed to UV radiation. The this occurs and it is a purely	PurCem <sup>®</sup> product range are s here are no measurable losse aesthetical matter. Products earance is acceptable by the	es of other properties when a can be used outside		

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Curing Details							
Applied Product ready							
for use	Substrate temperature	Substrate temperature Foot traffic Light traffic Full cure					
	+10°C	36 hours	72 hours	7 days			
	+20°C	12 hours	48 hours	5 days			
	+30°C	7 hours	36-48 hours	3 days			
	Note: Times are approxin substrate conditions.	mate and will be affe	ected by changing an	nbient and			
Cleaning / Maintenance							
Methods	To maintain the appearance of the floor after application, Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> must have all spillages removed immediately and must be regularly cleaned using rotary brushes, mechanical scrubbers, scrubber dryers, high pressure washers, wash and vacuum techniques, etc., using suitable detergents and waxes.						
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.						
Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.						
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.						
	It may be necessary to regulations. Any chang permission of Sika <sup>®</sup> Co	es to this disclaim	er may only be imp				

Note	The following chapter is only mandatory	for European countries		
CE Labelling	The harmonized European Standard EN 13 813 ",Screed material and floor screeds - Screed materials - Properties and requirements" specifies requirements for screed materials for use in floor construction internally.			
	Structural screeds or coatings, i.e. those that contribute to the load bearing capacity of the structure, are excluded from this standard.			
	Resin floor systems as well as cementitious They have to be CE-labelled as per Annex 2 and fulfil the requirements of the given man Directive (89/106):	ZA. 3, Tables ZA. 1.1 or 1	.5 and Z.A. 3	
	CE			
	Sika Limited			
	Watchmead		⇐ *)	
	Welwyn Garden City Herts. AL7 1BQ England	ł		
	07 <sup>1)</sup>	-		
	EN 13813 SR – B1.5			
	Cementitious screed material for indoors in (systems as per Product Data Sheet)	buildings		
	Reaction to fire:	B <sub>(fl)</sub> S1		
	Release of corrosive substances (Cementitious Screed):	SR		
	Water permeability:	NPD <sup>2)</sup>		
	Abrasion resistance	NPD		
	Bond strength	B1.5		
	Impact resistance:	NPD		
	Sound insulation:	NPD		
	Sound absorption:	NPD		
	Thermal resistance:	NPD		
	Chemical resistance:	NPD		
	<sup>1)</sup> Last two digits of the year in which the ma	rking was affixed.		
	*) Please fill in your relevant p	producer address		
EU Regulation 2004/42	According to the EU-Directive 2004/42, the Product category IIA / <b>j</b> type <b>wb</b> ) is140 g/l (L	maximum allowed conten		
VOC - Decopaint Directive	Sikafloor <sup>®</sup> -31N PurCem, is VOC free for th	, · · · ·		

Note	The following chapter is only manda	The following chapter is only mandatory for European countries.		
CE Labelling	protection and repair of concrete struct control and evaluation of conformity – I concrete" gives specifications for produ	The harmonized European Standard EN 1504-2 "Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2 : Surface protection systems for concrete" gives specifications for products and systems based on methods "hydrophobic impregnation", "impregnation" and "coating" for the various principles presented under EN 1504-9.		
	Products which fall under this specifica ZA. 1, Tables ZA1a to ZA 1g according indicated, and fulfil the requirements of Products Directive (89/106):	to the scope and relevant clau	ises there	
	For flooring systems not dedicated to p structure, EN 13813 applies. Products with mechanical loads also must fulfil E	acc. EN 1504-2 used as floorin		
	Here below indicated are the performance standard. For the specific performance please see the actual values above in t	results of the product to the pa		
	CE	CE		
	0086			
	Watchme Welwyn Gard	Sika Limited Watchmead Welwyn Garden City		
	Herts. AL7 1BQ	England	1)	
		09 1)		
		0086 CPD - 541325		
		EN 1504-2		
		Surface Protection Systems for Concrete Physical Resistance / Chemical Resistance		
	Abrasion resistance	Class AR 2		
	Capillary absorption and permeability to water	w < 0,1 kg/m <sup>2</sup> · h <sup>0,5</sup>		
	Resistance to severe chemical attack	Class 2		
	Impact resistance	Class III: ≥ 20Nm		
	Adhesion strength by pull-off test	≥ 2.00 N/mm2		
	Reaction to fire	B <sub>fl</sub> S1		
	<ol> <li>Last two digits of the year in which the ma</li> <li>No performance determined</li> <li>Tested as part of a full system</li> </ol>	rking was affixed.	_	
	*) Please fill in your relevant pro	ducer address		



Sika Near East s.a.l. / Sector 5, road 70 / Beirut / Lebanon / P.O. Box: 55163 Tel: +961 1 510270 / Fax: +961 1 510271 / E-mail: <u>sikareg@cyberia.net.lb</u>

www.sikaneareast.com



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