# Sikafloor<sup>®</sup>-20 N PurCem<sup>®</sup>

Heavy duty, high strength, easy trowel, polyurethane screed

Product Description	Sikafloor <sup>®</sup> -20 N PurCem <sup>®</sup> is a three part, resin rich, water dispersed, high strength, smooth trowel grade, coloured polyurethane modified, cement and aggregate screed suitable for floors subject to heavy loading, abrasion and chemical exposure. It has a textured aggregate surface providing medium to heavy profile slip resistance and is typically installed at 6 to 9 mm thick.	
Uses	In areas subject to heavy loading, abrasion and high chemical exposure, to provide a hard wearing surface, such as in:	
	Food processing plants, in wet or dry process areas, freezers and coolers, thermal shock areas	
	Chemical plants	
	Laboratories	
	Workshops	
Characteristics / Advantages	Fluid consistency requires less labour to install than conventional heavy duty modified PU trowel grade screeds	
	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.	
	Similar coefficient of thermal expansion to concrete, allowing movement with the substrate through normal thermal cycling. It will perform and retain its physical characteristics through a wide temperature range from -40°C (-40°F) up to +120°C (239°F)	
	Steam cleanable at 9 mm thick	
	Bond strength in excess of the tensile strength of concrete. Concrete will fail first	
	Non taint, odourless	
	VOC free	
	<ul> <li>High mechanical resistance. Behaves plastically subject to impact. Will deform but will not crack or debond</li> </ul>	
	Slip resistance. Natural textured surface provides anti-slip traction	
	High abrasion resistance resulting from its silica aggregate structure	
	Rapid one step application. Normally, no concrete primer or sealer required	
	Fast curing will allow foot traffic after ten hours and full service after twelve hours. Production downtime is cut to an absolute minimum.	
	<ul> <li>Jointless. Extra expansion joints are not necessary; simply maintain and extend existing expansion joints up through the Sikafloor® -PurCem® flooring system</li> </ul>	
	Easily maintained	



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### Tests

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Approval / Standards	Conforms to the requirements of EN 13813: 2002 as CT - C50 - F10 - AR0.5
	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> </ul>
	<ul> <li>British Standards Specifications (BSS) acceptance for use in the UK. Campden and Chorleywood Food Research Association, Ref. S/REP/98152/2A, dated March 6th, 2007</li> </ul>
	Test reports from Warrington Fire Research Centre for Sikafloor <sup>®</sup> -20N PurCem <sup>®</sup> : WFRC No. 163876, dated XXX, 2007 (BS EN ISO 11925-2:2002) and WFRC No. 163877, dated XXX, 2007 (BS EN ISO 9239-1:2002) for Fire rating
	All other values indicated are internal test results.

# **Product Data**

Part B:~ 1.24 kg/l (at +20°C)& (ASTM C 9Part C:~ 1.58 kg/l (at +20°C)Part A+B+C mixed:~ 2.08 kg/l ± 0.03 (at +20°C)Capillary AbsorptionPermeability to water: 1.07 g/h/m² (3 mm)(EN 1062)Layer Thickness6 mm min. / 9 mm max.Thermal Expansion $\alpha \approx 2.7 \times 10^{-5}$ per °C(ASTM E 381, ASTM D-696, ISO 113)	Form			
Oxide red (~ RAL 3009), Sky blue (~ RAL 5015), Grass green (~ RAL 6010), Dusty grey (~ RAL 7037), Agate grey (~ RAL 7038), Telegrey2 (~ RAL 7046).PackagingPart A+B+C:31.0 kg ready to mix units Part A:3.22 kg plastic drum Part B:2.78 kg plastic jerrycan Part C:Part C:25.0 kg plastic lined, double paper bagsStorageStorageStorage Conditions / Shelf-LifeIf stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +10°C and +25°C. Parts A and B: 6 months from date of production. Must be protected from humidity.Technical DataChemical BasePart A: Part C:Water borne polyol Part B: Part C:Kater borne polyol Part B: Part C:Part A: $\sim 1.07  kg/l (at +20°C)$ Part C:(EN ISO 2811 & (ASTM C9) Part C:DensityPart A: Part A: Part C: $\sim 1.07  kg/l (at +20°C)$ (EN ISO 2811 Part B: Part C: Part C:(EN ISO 2811 C (BN ISO 2811) Cand 20°C)Layer Thickness6 mm min. / 9 mm max.Cand 4:20°C) (ASTM E 381, ASTM D-696, ISO 113	Appearance / Colours	Part B:	brown liquid	
Part A: 3.22 kg plastic drum Part B: 2.78 kg plastic jerrycan Part C: 25.0 kg plastic lined, double paper bagsStorageStorage Conditions / Shelf-LifeIf stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +10°C and +25°C. Parts A and B: 6 months from date of production. Must be protected from frost. Part C: 6 months from date of production. Must be protected from humidity.Technical DataPart A: Biself Part A: Part B: Part C: Aggregates, cement and active fillersDensityPart A: Part A: Part B: Part B: Part C: Part B: Part C: Part B: Part C: Part B: Part B: Part B: Part C: Part B: Part D: Part C: Part D: Part C: Part C: Part D: Part D:<		Oxide red (~	RAL 3009), Sky blue (~ RAL 5015), Grass	green (~ RAL 6010),
Part B: Part C:2.78 kg plastic jerrycan Part C:StorageStorage Conditions / Shelf-LifeIf stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +10°C and +25°C. Parts A and B: 6 months from date of production. Must be protected from frost. Part C: 6 months from date of production. Must be protected from humidity.Technical DataChemical BasePart A: Part B: Isocyanate Part C: Aggregates, cement and active fillersDensityPart A: Part C: Aggregates, cement and active fillersDensityPart A: Part C: Aggregates, cement and active fillersDensityPart A: Part B: (3 mm)Layer Thickness6 mm min. / 9 mm max. Thermal Expansion(EN 1062 (3 TX 10 <sup>-5</sup> per °C)	Packaging	Part A+B+C:	31.0 kg ready to mix units	
Storage Conditions / Shelf-LifeIf stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +10°C and +25°C. Parts A and B: 6 months from date of production. Must be protected from frost. Part C: 6 months from date of production. Must be protected from humidity.Technical DataPart A: Part B: Isocyanate Part C: Aggregates, cement and active fillersDensityPart A: Part A: Part B: Part C: Aggregates, cement and active fillersDensityPart A: Part C: Part B: Part C: Part B: Part C: Part C: Pa		Part B:	2.78 kg plastic jerrycan	
Shelf-Lifeconditions at temperatures between $\pm 10^{\circ}$ C and $\pm 25^{\circ}$ C. Parts A and B: 6 months from date of production. Must be protected from frost. Part C: 6 months from date of production. Must be protected from humidity.Technical DataPart C: 6 months from date of production. Must be protected from humidity.Technical BasePart A: Part B: Part C: Aggregates, cement and active fillersDensityPart A: Part B: Part B: Part C: Part B: Part C: Part B: Part C: Part C: Part C: Part B: Part C: Part C: <br< th=""><th>Storage</th><th></th><th></th><th></th></br<>	Storage			
Part C: 6 months from date of production. Must be protected from humidity.Technical DataChemical BasePart A: Isocyanate Part C: Part C: Aggregates, cement and active fillersDensityPart A: Part B: Part B: Part C: Part B: Part C: Part C: <b< th=""><th></th><th></th><th></th><th>sealed packaging, in dry</th></b<>				sealed packaging, in dry
Technical DataChemical BasePart A: Part B: Isocyanate Part C: Aggregates, cement and active fillersDensityPart A: Part B: Part B: Part C: Part B: Part C: Not Sector Not Sector Part C: Part C: <th></th> <th>Parts A and E</th> <th>3: 6 months from date of production. Must b</th> <th>be protected from frost.</th>		Parts A and E	3: 6 months from date of production. Must b	be protected from frost.
Chemical BasePart A: Part B: Part C: Aggregates, cement and active fillersDensityPart A: 		Part C: 6 mor	nths from date of production. Must be prote	cted from humidity.
Part B: Part C:Isocyanate Aggregates, cement and active fillersDensityPart A: Part B: Part B: Part C: Part C: Part C: Not Set C: Part	Technical Data			
Part B: Part C: Part C: (3 mm) $\sim 1.24 \text{ kg/l} (at +20^{\circ}\text{C})$ $\sim 1.58 \text{ kg/l} (at +20^{\circ}\text{C})$ $\sim 1.58 \text{ kg/l} (at +20^{\circ}\text{C})$ & (ASTM C 9 (ASTM C 9)Capillary AbsorptionPermeability to water: (3 mm) $\sim 2.08 \text{ kg/l} \pm 0.03 (at +20^{\circ}\text{C})$ (EN 1062)Layer Thickness6 mm min. / 9 mm max.6 mm min. / 9 mm max.(ASTM E 381, ASTM D-696, ISO 113)	Chemical Base	Part B:	Isocyanate	
Capillary AbsorptionPermeability to water: $1.07 \text{ g/h/m}^2$ (EN 1062Layer Thickness6 mm min. / 9 mm max.Thermal Expansion $\alpha \approx 2.7 \times 10^{-5} \text{ per °C}$ (ASTM E 381, ASTM D-696, ISO 113	Density	Part B:	~ 1.24 kg/l (at +20°C)	(EN ISO 2811-1) & (ASTM C 905)
(3 mm)Layer Thickness6 mm min. / 9 mm max.Thermal Expansion $\alpha \approx 2.7 \times 10^{-5}$ per °C(ASTM E 381, ASTM D-696, ISO 113)		Part A+B+C	mixed: ~ 2.08 kg/l ± 0.03 (at +20°C)	
<b>Thermal Expansion</b> $\alpha \approx 2.7 \times 10^{-5}$ per °C (ASTM E 381, ASTM D-696, ISO 113	Capillary Absorption		to water: 1.07 g/h/m <sup>2</sup>	(EN 1062-3)
	Layer Thickness	6 mm min. / 9	) mm max.	
	Thermal Expansion Coefficient		per °C (ASTM E 38 range: -20°C to +60°C)	1, ASTM D-696, ISO 11359)
Water Absorption0.22%(ASTM C 4)	Water Absorption	0.22%		(ASTM C 413)

To Water Vapour: 0.148 g/h (6.1 mm)	(ASTM E-96)	
Class B <sub>(fl)</sub>	(BS EN 13501-1)	
The product is suitable for use when exposed to continuous temperature dry, of up to +120°C.		
The minimum service tempe	erature is -40°C	
> 45 MPa after 28 days at +	-23°C / 50% r.h.	(ASTM C 579)
> 50 N/mm <sup>2</sup> after 28 days a	t +23°C / 50% r.h.	(BS EN 13892-2)
> (3 mm) 9.5 MPa after 28 d	days at +23°C / 50% r.h.	(ASTM C 580)
>10 N/mm <sup>2</sup> after 28 days at	: +23°C / 50% r.h.	(BS EN 13892-2)
> 4.3 N/mm <sup>2</sup> after 28 days a	at +23°C / 50% r.h.	(ASTM C 307)
> 1.75 N/mm <sup>2</sup> (failure in cor	ncrete)	(EN 1542)
(1.5 N/mm <sup>2</sup> is the minimum pull	I off strength of the recommende	ed concrete substrate)
80 - 85		(ASTM D 2240)
3750 MPa		(ASTM C 580)
Steel: 0.4 Rubber: 1.25		(ASTM D 1894-61T)
Slip Resistance Values		(BS 8204 Part 2)
Substrate	SRV Dry	SRV Wet
Sikafloor <sup>®</sup> -20N PurCem <sup>®</sup>	70	65
TRL Pendulum, Rapra 4S S	Slider	
AR 0.5		(BS 8204 Part 2) (EN 13892-4)
2730 mg Taber Abrader H-22 wheel	/ 1000 gr / 1000 cycles	(ASTM D 4060-01)
≈ 0%		(MIL - PFR 24613)
Class A (Less than 1 mm indentation	n depth)	(BS 8204 Part 1)
2 pounds / 45 inches (3 mm	n thick)	(ASTM D 2794)
Resistant to many chemical	s. Please ask for a detailed	chemical resistance chart.
The product is designed to when thickness is 9 mm.	withstand thermal shock cau	sed by steam cleaning
Pass		(ASTM C 884)
130°C (266°F)		
Use the products mentioned Sheets.	d below as indicated in their	respective Product Data
Substrate Priming Systems		
Substrate priming is normal	ly not required under typical	circumstances.
	(6.1 mm) Class B <sub>(ff)</sub> The product is suitable for u dry, of up to +120°C. The minimum service temper > 45 MPa after 28 days at 4 > 50 N/mm <sup>2</sup> after 28 days at > (3 mm) 9.5 MPa after 28 days at > 4.3 N/mm <sup>2</sup> after 28 days at > 4.3 N/mm <sup>2</sup> after 28 days at > 4.3 N/mm <sup>2</sup> is the minimum put 80 - 85 3750 MPa Steel: 0.4 Rubber: 1.25 Slip Resistance Values Substrate Sikafloor <sup>®</sup> -20N PurCem <sup>®</sup> TRL Pendulum, Rapra 4S S Class "Special" Severe abra AR 0.5 (Less than 0.05 mm wear d 2730 mg Taber Abrader H-22 wheel ≈ 0% Class A (Less than 1 mm indentatio 2 pounds / 45 inches (3 mr Resistant to many chemical The product is designed to when thickness is 9 mm. Pass 130°C (266°F) Use the products mentioned Sheets. Substrate Priming Systems	(6.1 mm)         Class B(m)         The product is suitable for use when exposed to continudry, of up to +120°C.         The minimum service temperature is -40°C         > 45 MPa after 28 days at +23°C / 50% r.h.         > 50 N/mm² after 28 days at +23°C / 50% r.h.         > (3 mm) 9.5 MPa after 28 days at +23°C / 50% r.h.         > 10 N/mm² after 28 days at +23°C / 50% r.h.         > 1.0 N/mm² after 28 days at +23°C / 50% r.h.         > 1.75 N/mm² (failure in concrete)         (1.5 N/mm² is the minimum pull off strength of the recommended         80 - 85         3750 MPa         Steel:       0.4         Rubber:       1.25         Slip Resistance Values         Substrate       SRV Dry         Sikafloor <sup>®</sup> -20N PurCem <sup>®</sup> 70         TRL Pendulum, Rapra 4S Slider         Class "Special" Severe abrasion resistance         AR 0.5       (Less than 0.05 mm wear depth)         2730 mg       Taber Abrader H-22 wheel / 1000 gr / 1000 cycles         ≈ 0%       Class A         Class A       (Less than 1 mm indentation depth)         2 pounds / 45 inches (3 mm thick)       Pass         130°C (266°F)       Use the products mentioned below as indicated in their Sheets.

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System 1: moisture control on green concrete:

- Primer: Sikafloor<sup>®</sup>-155 WN / Sikafloor<sup>®</sup>-80 Primer
- and Temporary Moisture barrier (TMB): Sikafloor<sup>®</sup>-81 EpoCem<sup>®</sup> or Sikafloor<sup>®</sup>-82 EpoCem<sup>®</sup> Layer thickness: from 2 to 3 mm or 3 to 7 mm respectively, and then apply System 3

System 2: Inadequate substrate and moisture content between 4% and 6%

- Primers:

Sikafloor<sup>®</sup>-155 WN / Sikafloor<sup>®</sup>-80 Primer fully blinded with quartz sand 0.4 - 0.7 mm for the subsequent application of Sikafloor<sup>®</sup>-19 N / -20 N PurCem<sup>®</sup>.

System 3: Inadequate substrate and moisture content below 4%

Primers: Sikafloor<sup>®</sup>-155 WN / Sikafloor<sup>®</sup>-80 Primer or Sikafloor<sup>®</sup>-156 or Sikafloor<sup>®</sup>-157 for faster curing any of which must be fully blinded with quartz sand 0.4 - 0.7 mm for the subsequent application of Sikafloor<sup>®</sup>-19N / 20N PurCem<sup>®</sup>

On porous excessively absorbent substrates use Sikafloor<sup>®</sup>-155 WN / Sikafloor<sup>®</sup>-80 Primer, in two coats, the first thinned with 10% water.

Heavy duty screed

- Layer thickness:
- 6 9 mm
- Screed:

Sikafloor<sup>®</sup>-19 N PurCem<sup>®</sup> or Sikafloor<sup>®</sup>-20 N PurCem<sup>®</sup>

Medium to heavy duty screed:

- Layer thickness:
- 4.5 6 mm (including scratch coat)
- Scratch coat: A scratch coat 1.5 mm thick will seal the surface and fill irregularities and improve appearance of the final layer.
- Standard screed: Sikafloor<sup>®</sup>-21 N PurCem<sup>®</sup> or
- High slip resistance screed:
  - (Scratch coat typically not required) Sikafloor<sup>®</sup>-22 N PurCem<sup>®</sup> broadcast with quartz sand sealed with 1 - 2 coats of Sikafloor<sup>®</sup>-31 N PurCem<sup>®</sup> depending on the desired texture. (See build up Slip Resistance in Sikafloor<sup>®</sup>-22 N PurCem<sup>®</sup> PDS)

Coving and detailing and vertical applications:

- Primer:
  - Sikafloor<sup>®</sup>-10 N PurCem<sup>®</sup> Primer or Sikafloor<sup>®</sup>-155 WN / Sikafloor<sup>®</sup>-80 Primer Reprime if no longer tacky.
- Coving Mortar:
- Sikafloor<sup>®</sup>-29 N PurCem<sup>®</sup>
- Seal coat:
  - 1 x Sikafloor<sup>®</sup>-31 N PurCem<sup>®</sup>

Seal Coat:

- Base coat: Sikafloor<sup>®</sup>-20 N or Sikafloor<sup>®</sup>-21 N or Sikafloor<sup>®</sup>-22 N or Sikafloor<sup>®</sup>-29 N PurCem<sup>®</sup>
- Seal Coat: 1 x Sikafloor<sup>®</sup>-31 N PurCem<sup>®</sup>

Note: These system configurations must be fully complied with as described and may not be changed.

Application Details	
Consumption / Dosage	Primer (If priming is necessary, see System Structure above and respective PDS)
	<i>Screed 6 - 9 mm:</i> Sikafloor <sup>®</sup> -20 N PurCem <sup>®</sup> (part A+B+C) ~ 2.0 kg/m <sup>2</sup> / mm layer thickness.
	This figure is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.
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 and free of all contaminants such as oil, grease, coatings and surface treatments, etc.
	If in doubt, apply a test area first.
	Substrate priming is normally not required under typical circumstances. However due to variations in concrete quality, surface conditions, surface preparation and ambient conditions, reference test areas are recommended to determine whether priming is required to prevent the possibility of blisters, debonding pinholes and other aesthetic variations.
	Sikafloor <sup>®</sup> PurCem <sup>®</sup> can be applied onto recent concrete over 7 days old or onto old damp concrete (up to 10%) without having to prime first, as long as the substrate fulfils the above requirements.
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 3-6 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 the 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.
	Edge terminations. All free edges and working day joints of Sikafloor <sup>®</sup> -19N / 20N / 21N / 22N and 29N PurCem <sup>®</sup> , whether at the perimeter, along gutters or at drains require extra anchorage to distribute mechanical and thermal stresses. This is best achieved by forming or cutting grooves in the concrete. Grooves must have a depth and width of twice the thickness of the Sikafloor <sup>®</sup> - PurCem <sup>®</sup> . Refer to the edge details provided in the Method Statement. If necessary, protect all free edges with mechanically attached metal strips. Never featheredge, always turn into an anchor groove.
	Expansion joints. Expansion joints must be provided in the substrates at the intersection of dissimilar materials. Isolate areas subject to thermal stresses, vibration movements or around load-bearing columns and at vessels sealing rings. Refer to the edge details provided in the Method Statement.
Application Conditions / Limitations	
Substrate Temperature	+10°C min. / +30°C max.
Ambient Temperature	+10°C min. / +30°C max.
Substrate Moisture Content	≤ 10% pbw Test method: Sika <sup>®</sup> -Tramex meter (<6%), CM - measurement or Oven-dry-method.
	No rising moisture according to ASTM D 4263 (Polyethylene sheet test).
	Always confirm substrate moisture content prior to the application.
	Refer to System Structure and options for substrate priming.
Relative Air Humidity	85% max.

Dew Point	Beware of condensation!			
	The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.			
Application Instructions				
Mixing	Part A : B : C = 1 : 0.86 : 7	.76 (packaging	size = 3.22 : 2.78 : 25) by weight	
Mixing Time	Material and ambient temp If necessary, condition the			
	Premix part A and B separe a low speed electric stirrer Start mixer and add parts		re all pigment is uniformly distributed with nd blend for 30 seconds.	
	seconds. DON'T DUMP! Allow part C to blend for fu a uniform moist mix is obta	irther 2 minutes ained. During th h a flat or straig	nixed resin parts over a period of 15 s minimum, to ensure complete mixing and ne operations, scrape down the sides and ght edge trowel at least once (parts full units only.	
Mixing Tools	Use a low speed electric s For preparation of the mor		rpm) for mixing parts A and B. an type revolving mixer.	
Application Method /	Prior to application, confirr	Prior to application, confirm substrate moisture content, r.h. and dew point.		
Tools	If moisture content is > 10% pbw, Sikafloor <sup>®</sup> - EpoCem <sup>®</sup> can be applied as T.M.B. (temporary moisture barrier) system.			
	Pour the mixed Sikafloor <sup>®</sup> -20N PurCem <sup>®</sup> onto the substrate and spread evenly with a rake or screed box to the required thickness. Take care to spread newly mixed materials across the transition of previously applied mixes (wet edge), before the surface begins to set. Allow the mortar to stand for a few minutes to allow entrapped air to escape.			
	Finish the surface using a	flat, round edge	e steel trowel.	
	A short pile roller can be used <i>once or twice</i> , and always in the same direction, to provide a more homogeneous finish to the surface. No excessive backrolling! Excessive backrolling or trowelling will bring up more resin to the surface, reducing the desired anti-lip surface texture which characterises this product.			
	wet surface and sealed wi	th a top coat of	eral aggregates can be broadcast on the 1 x Sikafloor <sup>®</sup> -31N PurCem <sup>®</sup> to lock in the num of 36 hours cure period at 20°C	
	Flow check		(ASTM C 230-90 / EN 1015-3)	
	Top internal diam: Bottom internal diam.: Height:	70 mm 100 mm 60 mm		
	Flow =	210 mm ± 1	0 mm	
Cleaning of Tools	Clean all tools and applica Hardened / cured material		with Thinner C immediately after use. echanically removed.	
Potlife				
	Temperature		Time	
	+10°C		~ 35 - 40 minutes	
	+20°C		~ 18 - 22 minutes	
	+30°C		~ 10 - 15 minutes	

#### Waiting Time / Overcoating

If you have primed, before applying Sikafloor<sup>®</sup>-20 N PurCem<sup>®</sup> on Sikafloor<sup>®</sup>-155 WN / Sikafloor<sup>®</sup>-80 Primer or Sikafloor<sup>®</sup>-156 or Sikafloor<sup>®</sup>-157 (all fully blinded), allow:

	Waiting time		
Substrate temperature	Minimum	Maximum	
+10°C	24 hours	12 days	
+20°C	12 hours	7 days	
+30°C	6 hours	4 days	

Always make sure primer is fully cured before application.

Before any subsequent application on Sikafloor<sup>®</sup>-20 N PurCem<sup>®</sup> allow:

	Before any subsequent application on Sikafloor <sup>®</sup> -20 N PurCem <sup>®</sup> allow:				
		Waitir	ng time		
	Substrate temperature	Minimum	Maximum		
	+10°C	16 hours	72 hours		
	+20°C	8 hours	48 hours		
	+30°C	4 hours	24 hours		
		will be affected be changing perature and relative humidity			
Notes on Application / Limitations	A retaining groove must be placed at exposed edges along of the application area (perimeter, joints, connections, plinths, columns, covings and drains / gullies) as indicated in the application details of the system data sheet, to prevent curling during curing. Width and depth must be twice the thickness of the floor finish.				
	Do not apply Sikafloor <sup>®</sup> -20N PurCem <sup>®</sup> on substrates where significant vapour pressure may occur.				
	Both Sikafloor <sup>®</sup> -20N PurCem <sup>®</sup> and Sika <sup>®</sup> Thinner C are flammable. NO NAKED FLAMES.				
	Always ensure good ventilation when using Sikafloor <sup>®</sup> -20 N PurCem <sup>®</sup> in a confined space.				
	Sikafloor <sup>®</sup> -20 N PurCem <sup>®</sup> shares the resin (part A) and hardener (part B) with Sikafloor <sup>®</sup> -21 PurCem <sup>®</sup> . Make sure the correct pack sizes of aggregate are used.				
	Freshly applied Sikafloor <sup>®</sup> -20 N PurCem <sup>®</sup> must be protected from damp, condensation and water for at least 24 hours.				
	Improved slip resistance can be obtained by broadcasting the surface with aggregate of suitable granulometry and back rolling with a short pile roller (1 - 2 passes only).				
	For the highest hygienic der may be required. This must Sikafloor <sup>®</sup> -20 N PurCem <sup>®</sup> a	mands, a subsequent top coa be applied within 48 hours a pplications.	at of Sikafloor <sup>®</sup> -31 PurCem <sup>®</sup> ifter the initial		
	Always allow a minimum of service in contact with food	48 hours after product applic stuffs.	cation prior to placing into		

## **Curing Details**

Applied Product ready				
for use	Substrate temperature	Foot traffic	Light traffic	Full cure
	+10°C	~ 24 hours	~ 36 hours	~ 7 days
	+20°C	~ 12 hours	~ 18 hours	~ 5 days
	+30°C	~ 8 hours	~ 15 hours	~ 3 - 4 days
	Noto: Timos are approvi	imata and will be offe	eted by changing of	mbiont and

Note: Times are approximate and will be affected by changing ambient and substrate conditions.

Cleaning / Maintenance	
Methods	To maintain the appearance of the floor after application, Sikafloor <sup>®</sup> -20N 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.
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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