

StoCrete PU HD

Heavy duty, slip resistant polyurethane screed (6 - 12 mm)





 No solvent odour during application High wear, abrasion and impact resistance Speedy installation allowing rapid access Seamless without joints for optimum sanitation and hygienic fir echnical Data Standard / test			d hygienic finish	
Properties	 Excellent bonding to mineral substrates Anti-skid finished Excellent resistant to wide range of chemicals Microbiologically inert, seamless and easily cleaned and maintained High temperature resistant up to 150°C (occasional spillage) 			
Area of application	Chemical resistant fThermal shock resisMechanically durable	schen, wet food & beverage pro- floor for chemical process, con- stance floor for freezers, refrige le floor for loading docks and v for oily / slippery service condit	tainment area and wa erators and oven insta varehouses	sh down rooms

Standard / test specification	Value / Unit	Notes
	2.1 g/cm ³	
EN 13892-2	> 49 N/mm ²	
ASTM C307	7 N/mm ²	
EN 13892-2	> 13 N/mm ²	
EN 13892-8	> 1.5 N/mm ²	•
EN 13892-4	< 0.05 mm	
	EN 13892-2 ASTM C307 EN 13892-2 EN 13892-8	Value / Unit specification 2.1 g/cm³ EN 13892-2 > 49 N/mm² ASTM C307 7 N/mm² EN 13892-2 > 13 N/mm² EN 13892-8 > 1.5 N/mm²

The characteristic values stated are average values or approximate values. Due to the

	natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.	
Substrate		
Requirements	The substrate must be sound, dry, load bearing and free from native and foreign substances that have a separating effect. Remove less strong layers and laitance.	
	The maximum moisture content of the substrate should not exceed 4% by weight measured with the CM device.	
	Substrate temperature greater than +10°C and 3 K above dew point. Average adhesion strength >1.5 N/mm². Adhesion strength of the single smallest value 1.0 N/mm²	
Preparations	Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting.	
	Prepare grooves in 8 mm (width) \times 8 mm (depth), at all edges, bay joints columns, doorways and drains, for anchoring purpose.	
	For floor requiring repair in excess of 10 mm, use StoPox EPS GP.	



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For old floor

Thoroughly inspect the old floor for its integrity to ensure an ideal substrate for optimum adhesion. Substrate must be free from all contaminants.

Grooves 8 mm (width) x 8 mm (depth) have to be created diagonally for every 1 m^2 of the floor to facilitate mechanical bonding.

Application temperature	Lowest application temperature: +10°C		
	Highest application temperature: +30°C		
Service temperature	At 6 mm : approx 25°C to 100°C		
	At 9 mm : approx 40°C to 120°C		
	At 12 mm : approx 40°C to 130°C (150°C occasional spillage)		
Time for application	At +10°C : approx. 35 minutes		
	At +15°C: approx. 30 minutes		
	At +30°C : approx. 20 minutes		
Mixing ratio	Part 1 to Part 5 = 3:3:13.5:0.5:12 parts by we	eight (Powder colour filler)	
	Part 1 to Part 5 = 3:3:13.8:0.2:12 parts by we	eight (Liquid colour paste)	
Material preparation	Powder colour filler		
	Shake Part 1 and Part 2 thoroughly before pouring both into a clean mixing pail. Mix for 10 seconds with a suitable electrical mixer (750 rpm).		
	With the mixer still running, add Part 4 (powder colour filer) and mix for 10 seconds.		
	Gradually add Part 3 followed by part 5 into the pail and continue to mix for at least 2 minute until a fully homogenous mixture is obtained.		
	It is also vital to stir thoroughly at the sides and bottom in order to evenly distribute the		
	mixture.		
	Before mixing a new pack, scrape out and discard all previously leftover mix from the sides of the drum.		
	Liquid colour paste		
	Shake Part 1 and pour into a clean mixing pail. Add Part 4 (liquid colour paste) and mix		
	thoroughly with a suitable electrical mixer (750 rpm) ensuring a homogenous mixture is obtained.		
	Shake Part 2 and pour into the pail and carry on mixing for 10 seconds.		
	With the mixer still running, add Part 3 followed by part 5 into the pail and continue to mi for at least 2 minute until a fully homogenous mixture is obtained.		
	It is also vital to stir thoroughly at the sides and bottom in order to evenly distribute the mixture.		
	Before mixing a new pack, scrape out and discard a sides of the drum.	all previously leftover mix from the	
Consumption	Type of application	Approx. coverage	
	The coverage rate @ 6 mm thick per 32 kg set	2.5 m ²	
	Material consumption depends on the application, s other factors. The stated consumption values are or determine precise consumption values on the basis	nly to be used as a guide. If required,	



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Coating build-up	Substrate preparation Prime coating (optional) Scratch coat of StoCrete PU SM						
	4) Placing of StoCr	ete PU HD					
Application	Substrate preparation						
	 Prime coating (optional) Prime the prepared surface evenly with a primer from the Sto range of primers using a medium pile roller or squeegee for sealing well the substrate porosity. Scratch coat After 14 hours of primer cured, apply StoCrete PU SM as scratch coat of 1 mm thickness. 						
				4) Placing of StoCrete PU HD After 14 hours of cured StoCrete PU SM scratch coat, spread the StoCrete PU HD to the desired thickness (6 - 12mm) using a pin rake (Sto-Pin Leveller) and trowel smooth within the stated working life.			
	Immediately after laying the material, finished off with a loop roller (Sto-loop Pile Roller) to achieve an even surface.						
	 Note: StoCrete PU HD should not be applied on material or floor temperatures below 10°C. Temperature should not fall below 5°C in the first 24 hours after application. All movement joints must be carried through StoCrete PU HD and properly sealed. Constructions joints and cracks may be covered, however if substrate movement occurs, StoCrete PU HD will reflect the crack. Yellowing that appears under UV light does not affect the technical characteristics of the product. 						
All StoCrete PU allowed.					HD components must be used	immediately. No partial usage is	
Drying, curing, ready for next					Curing time:		
coat						<u>25°C</u>	<u>35°C</u>
	Foot traffic	30 hours	24 hours				
	Light traffic	36 hours	30 hours				
	Full traffic	48 hours	36 hours				
	Full cure	6 days	5 days				
Cleaning the tools	Tools must be cleaned immediately after use with cleaning solvent.						
	Small unreacted Part B in container to be decontaminated with 5% solution of washing soda (sodium carbonate) prior to disposal. Hardened material is virtually impossible to remove						
Notes, recommendations, special information, miscellaneous	Please consult the local sales office for further information and any site assistance required.						



StoCrete PU HD

Delivery		
Colour	Selected standard colour range, matt finish Green, Red, Cream, Buff, Yellow, Light Grey, Dark Grey, Grey, Blue, Brown	
Packaging	Name	Packing
	StoCrete PU HD	32 kg set
Storage		
Storage conditions	Store in cool dry conditions; avoid direct sunlight.	
Storage life	This product has a shelf life of 9 months from the manufacturing date.	
Identification		
Product group	Mortar	
Safety	Please refer to Safety Data Sheet.	
Special Notes		
	The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.	
	after prior consultation. Where	entioned in this Technical Data Sheet are permissible only no approval is given, such applications are at the user's ular when the product is used in combination with other
		neet is published, all previous Technical Data Sheets are sion is available on www.sto-sea.com .

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^{*}Product images may differ from the actual product.