

PUR mortar, thermally resistant up to +120 °C, layer thickness 6-12 mm

CE



Characteristics	
Area of application	 interior for floors in dairies, slaughterhouses, food production, and beverage production for substrates made of concrete and cementitious screed with sufficient load- bearing capacity 6-8 mm temperature range: -40 °C to +100 °C 9-12 mm temperature range: -45 °C to +120 °C permanently wet area
Properties	 five-component mortar, smoothable with a bucket trowel layer thickness: 6-12 mm water-based, environmentally friendly, PUR binding agent not harmful to the environment during application component C: cementitious mechanically and chemically highly resistant smooth or slip-resistant surface meets the requirements of HACCP thermal compatibility
Appearance	coloured, matt
Information/notes	 Observe the implementation instructions. The product is in accordance with DIN EN 13813.

Technical data

Criterion	Standard / test	Value/ Unit	Notes	
	specification		Notes	
Density	EN ISO 2811-2	2.10 g/cm ³		
Compressive strength	EN ISO 196 / ASTM C109	> 58 MPa		
Flexural strength	EN ISO 196 / ASTM C109	> 15 MPa		
Temperature resistance	min.	-45 °C	9-12 mm	

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Temperature resistance	max.	120 °C	9-12 mm
Viscosity (at 23 °C)			flowability mortar
Shore hardness type D	EN ISO 868	84	
Water absorption coefficient Aw	EN 1062-3		w < 0,01 kg / (m²*h ^{0,5})

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.

	Intended use.
Substrate	
Requirements	Requirements: - Dry, load-bearing - Free from separating, native, or foreign substances - Remove all weak layers. - Dry according to the definition contained in the DAfStb (German) Repair Guideline, issue 2001-10. - Bond strength: at least 1.5 N/mm ²
	Suitable substrates: Prerequisite: Substrates have been professionally installed and prepared.
	A) Monolithic concrete - Compressive strength class: at least C30/37 in accordance with DIN EN 206-1: 2008-8, in accordance with DIN 1045-1: 2001-7 - Except lightweight concrete
	 B) Polymer-modified cementitious screed Smoothed by machine in a bond Compressive strength class: at least CT-C50 in accordance with DIN 18560, in accordance with DIN EN 13813 Minimum layer thickness: > 60 mm
	C) Polymer-modified screed on a separating layer - Reinforced, smoothed by machine - Compressive strength class: at least CT-C50 in accordance with DIN 18560, in accordance with DIN EN 13813 - Minimum layer thickness: > 60 mm
	D) Load-bearing coatings already available: - StoCrete PU 205 - StoCrete PU 255 - StoCrete PU 285
	The following substrates are not suitable: A) Screeds with low strengths, bituminous substrates, magnesium screeds, and anhydrite screeds



	 B) Bricks, tiles, cellular concrete, wood C) Galvanised steel and stainless steel, non-ferrous heavy metals, aluminium D) All existing coatings, except StoCrete PU 205, StoCrete PU 255, StoCrete PU 285 E) E.g. polyethylene, sheeting, vapour barriers
Preparations	 Prepare all the above-mentioned substrates using a mechanical method, see "Substrate, requirements". Observe the implementation instructions.
Application	
Application temperature	permissible substrate temperature: Minimum temperature: +15 °C
	permissible application temperature: Minimum temperature: +15 °C Maximum temperature: +30 °C
Time for application	at +20 °C: 10-15 minutes
Mixing ratio	component A : component B : component C : component E : component D A : B : C : D : E 3.5 : 3.5 : 21 : 10.5 : 0.27 Recommendation: -Mix the entire delivery container. -Do not process partial amounts.
Material preparation	 Notes: The mixing equipment should be placed as close as possible to the workplace. The material temperature is between +15 °C and +25 °C. The temperature of all components is between +15 °C and +25 °C. Observe the order of the "Preparing material" steps. Mixing time: The length of the mixing time depends on the temperature of the material and the ambient temperature. Mix each container for the same length of time. Possible consequences if mixing times are too long or too short: The aggregates are hard to distribute. The product has poorer flowability. Too many trowel marks are visible. Very small holes and bubbles form in the cured layer. A wavy surface develops. Differences in colour shade appear between the seams.



	 Colour differences: Differences in colour shade between the seams cannot be avoided. The colour differences depend on the mixing process and mixing time. Differences in colour shade can be kept low as follows: Apply the components in ascending batch numbers. Observe the mixing time. Mix each container for the same length of time. Exception: large differences in temperature. Observe the quantities: single or double quantities Components: Component D and component A: for mixing the dispersion. Component D are pigments in a cartridge. Mix in one pigment cartridge per container. Only use pigments in cartridges from StoCretec. Component E: for adding to the dispersion Component E: as filler Use all of the components. Preparing the material: Add component B. Mix the components for 1 minute until a coloured dispersion forms. Add all of component B. Mix the components for 2 minutes. Add all of component B. Mix the components for 2 minutes. Add component C and mix until the filler has dispersed well and the mix is homogeneous. 			
Consumption	Type of application	Approx. cons	sumption	
	layer thickness up to 6 mm	13.0	kg/m²	
	layer thickness up to 9 mm	19.5	kg/m ²	
	layer thickness up to 12 mm	26.0	kg/m²	
	Material consumption depends on the ap among other factors. The stated consump guide. If required, determine precise cons specific project.	plication, substrate, and co otion values are only to be sumption values on the bas	nsistency, used as a is of the	
Coating build-up	 coating build-up A: StoCrete PU 255, slip-resistant surface, evaluation group: approx. R10 layer thickness of the coating build-up: approx. 6-12 mm Prepare the substrate. Mill the recesses in the substrate. Priming: StoCrete PU 105, component A, B, C 			



	4) Scatter: StoQuarz 0.3-0.8 mm
	5) Coating: StoCrete PU 255, component A, B, C, E, D
	coating build-up B: StoCrete PU 255, slip-resistant surface, evaluation group:
	- laver thickness of the coating build-up; approx, 6-12 mm
	1) Prepare the substrate.
	2) Mill the recesses in the substrate.
	3) Priming: StoCrete PU 105, component A, B, C
	4) Scatter: StoQuarz 0.3-0.8 mm
	5) Coating: StoCrete PU 255, component A, B, C, E, D
	6) Scatter: StoCrete PU 255, component E as filler
Application	
	Notes:
	 permissible substrate temperature: +15 °C
	 StoCrete PU 255 has high residual stress.
	For this reason, recesses must be milled into the substrate for anchoring the first
	layer.
	Observe the implementation instructions.
	- I ools required: pin leveller and floor squeegee
	- application on dry mineral substrates
	coating build-up A: StoCrete PU 255, slip-resistant surface, evaluation group:
	approx. R10
	1) Prepare the substrate.
	Mill the recesses in the substrate.
	3) Priming:
	- StoCrete PU 105, component A, B, C
	 roughness depth: 0.5-1 mm on normal absorbent mineral substrates
	 Consumption: approx. 2-3 kg/m² plus material consumption for the recesses in
	the substrate
	4) Scatter:
	- StoQuarz 0.3-0.8 mm
	- After priming, slight scattering without defects is necessary but without any
	surplus.
	Consumption: approx. 0.8-1.0 kg/m ²
	5) Coating:
	- Stourete PU 255, component A, D, C, E, D Concumption: approx 12.0.25.5 ka/m^2
	easting build up Dr. StoCrate DI 1955, alig registent surface, surfuction and
	coaling build-up b. Stourete PU 255, slip-resistant surface, evaluation group:
	appiox. KIU-KIS
	1) Fiepare the Substitute.
	2) Ivilli the recesses in the substrate.
	5) Filling Stourete PU 105, component A, B, C
	- Toughness depth. 0.5-1 min on normal absorbent mineral substrates



	 consumption: approx. 2-isubstrate 4) Scatter: StoQuarz 0.3-0.8 mm After priming, slight scatts surplus. Consumption: approx. 0.5) Coating: StoCrete PU 255, composition: approx. 136) Scatter: StoCrete PU 255, do not medium?). Consumption: approx. 1-Note: the appearance of the sur The covering is exposed The technical properties Approve the covering: At an ambient temperatud develops its maximum che The covering can be relevant. 	3 kg/m ² plus material consum tering without defects is neces 8-1.0 kg/m ² onent A, B, C, E, D 3.0-25.5 kg/m ² c scatter a surplus of compone 1.5 kg/m ² face may change under the for to strong light. to thermal and chemical strai of StoCrete PU 255 are not in the substrate temperature emical resistance after 5 days eased for people to walk on after	ption for the recesses in the ssary but without any ent E (> loose or ollowing conditions: n. npaired. of +20 °C, the system ter 12 hours and for
Cleaning the tools	Clean tools with StoCryl V	′V.	
Notes, recommendations, special information, miscellaneous	 1) Observe the general application instructions: see www.stocretec.de, Products see technical manual, notes 2) Observe the laying instructions. Please observe our general application guidelines for StoCretec PU systems. StoCretec PU products should only be applied by trained personnel. 		
Delivery			
Colour shade	red, orange, yellow, cream, brown, dark grey, light grey, blue, green pigments in cartridge The respective colour shades, StoCrete PU 205/255/290, component D are available in an 0.27 kg cartridge.		
	Article number	Name	Container
	09720/009	StoCrete PU 255 Set yellow	38.77 kg set

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	09720/008	StoCrete PU 255 Set red	38.77 kg set
	09720/007	StoCrete PU 255 Set orange	38.77 kg set
	09720/006	StoCrete PU 255 Set green	38.77 kg set
	09720/005	StoCrete PU 255 Set light- grey	38.77 kg set
	09720/004	StoCrete PU 255 Set dark-grey	38.77 kg set
	09720/003	StoCrete PU 255 Set cream	38.77 kg set
	09720/002	StoCrete PU 255 Set brown	38.77 kg set
	09720/001	StoCrete PU 255 Set blue	38.77 kg set
Storage			
Storage conditions	Dry in a well-ventilated room without any sources of heat for 6 months, temperature: between +5 °C and +30 °C		
Storage life	The product quality is best guaranteed in its unopened original container until its shelf life has expired. The first digit of the batch number is the final digit of the year. The second and third digits indicate the calendar week. Example: 1450013223 - shelf life until end of calendar week 45 in 2021. In the original container until (see packaging).		
Certificates/approvais	Eignung:	Suitability for direct contract w	ith food
	Eignung:	Slip resistance	
Identification			
Product group	Coating		
Safety	This product is sub regulation.	pject to compulsory labelling in accor	dance with the current EU



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.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.

StoCretec GmbH Gutenbergstr. 6 D-65830 Kriftel

Tel.: +49 6192 401-104 Fax: +49 6192 401-105 stocretec@sto.com www.stocretec.de

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