SikaCeram[®]-255 StarFlex

Highly flexible powder adhesive for fixing of medium-large sized ceramic tiles, C2TE classified according to EN 12004 and S1 classified according to EN 12002.

Description	SikaCeram-255 StarFlex is a one-pack premixed adhesive consisting of high quality cements, selected silica/quartz sands and specific additives. It achieves highly flexible adhesive layers up to 15 mm thick. It is suitable for grès porcelain and natural stone on façades, heated floors, swimming pools and industrial flooring areas.					
	 Laying ceramic tiles of all types, grès porcelain, even in large sizes Laying grès porcelain slabs, low thickness featured Laying marble and natural stone, as long as they are not affected by water Laying on heated floor slabs or electric heated screeds Indoor and outdoor applications Suitable for over-tiling indoor applications on old tiles, without primer Suitable for applications where high performance is required, i.e. pools, industrial flooring areas, façades On walls and floors Spot-gluing insulating panels made of polystyrene, polyurethane foam, rock or glass wool 					
Advantages	 No vertical slipping High flexibility Extended open time Frost proof One-pack Can be applied up to 15 mm thickness 					
Product Data	0					
	Grey and white.					
	25 kg bags. 12 months in the original packaging, in a dry environment.					
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Pot life: Curing time: Open time: Adjustability time: Hardening time:	 7 litres approx. of clean water per bag (29% ± 1%). 6 hours approx. for one bag*. 10 minutes, approx. 30 minutes, approx.* (as requested by EN 12004) (EN 1346) 50 minutes, approx.* Trafficable: after 24-36 hours approx. Floor tiles: can be grouted after 24-36 hours * approx. 					
	Wall tiles: Surface can b * Values achie	can be gro be used after f eved at room	buted after 24-30 puted after 4-6 ho 14 days * approx conditions: 23°C lower temperatu	ours * approx. – R.H. 50%.	Higher tempera	itures 196)
g	Initial tensile bond	Tensile bond after heat	Tensile bond after water immersion	Vertical slipping	Bond after freeze/thaw cycles	Transversal deformation
Test Method:	EN 1348	EN 1348	EN 1348	EN 1308	EN 1348	EN 12002
Value:	2 MPa	1.8 MPa	1.3 MPa	0 mm	1.4 MPa	3 mm
Requirement of EN 12004:	≥ 1 MPa	≥1 MPa	≥1 MPa	≤ 0.5 mm	≥1 MPa	≥ 2.5 mm
	substrate and on flat substra	size of the tro	on the kind and sowel. We recomr	nend using of	the following tr	
	Trowel size			Consumptio		
	8 mm 10 mm			4 kg/m ² appro		
	15 mm			5 kg/m² appro 7 kg/m² appro		

Application Condition Surface Preparation	SikaCeram-255 StarFlex is applied directly on plasters and cementitious substrate cement-lime mortars, concrete, plasterboard, helicopter finished concrete and old ceramic floors. Sika Primer-11 W must first be applied on gypsum based or anhydrite substrates. Apply Sika Primer-21 W on PVC, linoleum and old vinyl floor The substrate must be perfectly flat, rigid, tight and free from loose particles, and cured. Any small uneven areas can be levelled and filled with a layer of SikaCerar 255 StarFlex (at a maximum thickness of 5 mm), applied at least 24 hours before laying the ceramic coating. For greater thicknesses, the Sika MonoTop or Sika Lerange of mortars should be used. The substrate must also be clean and free from dust, grease, oils and wax.				
Mixing	Mix a 25 kg bag with the recommended amount of water in a clean bucket, using a electric mixer with a suitable mixing spiral at low speed until a smooth, lump-free paste is achieved. Use a max. 500 rpm mixer; do not mix at a faster rate as this will reduce the				
		product. After mixing, leave the product to sit for 5- ior to application. The resulting mix should be very ghly thixotropic.			
Application	SikaCeram-255 StarFlex is applied using a notched trowel. The amount of pro- should be enough to ensure complete wetting of the tiles' rear. Tiling has to be carried out on fresh glue, exerting an adequate pressure to ensure contact wit adhesive. If a surface film has formed on the adhesive, it is necessary to wipe trowel over the adhesive layer previously applied. Avoid wetting with water any adhesive already applied SikaCeram-255 StarFlex is used for fixing absorbent tiles up to a maximum siz 10,000 cm ² (e.g. 60 x 120 cm) for indoor floors, up to 3,600 cm ² (e.g. 60 x 60 c indoor walls and outdoor paving, and 2,100 cm ² (e.g. 30 x 60 or 45 x 45 cm) for façades without any mechanical clamps. These limits are valid for cementitious, non-heated substrates. For any other k substrate, please contact the Sika technical department. For laying tiles equal or greater in size than 900 cm ² (e.g. 30 x 30 cm) the dou spreading (buttering) technique of adhesive application is always recommended				
Cleaning	Clean tools and equipment immediately after use with water. Cured product can only be removed mechanically.				
Notes on Application / Limitations	 SikaCeram-255 StarFlex must not be applied in the following situations: On metal surfaces and wood To achieve coats thicker than 15 mm On old ceramics outdoors For laying of ceramic tiles larger than 2100 cm² without mechanical fastening At temperatures lower than + 5°C or higher than +35°C 				
Notes	All technical data stated in this Product Data tests. Actual measured data may vary due t				
Local Restrictions	Please note that as a result of specific local product may vary from country to country. F Sheet for the exact description of the application	Please consult the local Product Data			
Health & Safety Infor Protective Measures	 To avoid allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work. Local regulations as well as health and safety advice on packaging labels must be observed. For further information refer to the Sika Material Safety Data Sheet which is available on www.sika.co.nz, or on request. If in doubt always follow the directions given on the pack or label. 				
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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