

PRODUCT DATA SHEET

LANKO 731 Lankorep Structure

Used for repair of concrete structures and reinforcement of weakened structures

DESCRIPTION

LANKO 731 LANKOREP STRUCTURE PH is a fiber-reinforced non-shrink mortar for the repair of concrete structures and reinforcement of weakened structures with application thickness of 5mm to 50mm.

USES

- Repair of concrete surfaces: spalling, honeycombing, stair nosing, ramp, etc.
- Concrete restructuring: pillars, slabs, posts, dams, aprons and spillways
- Reinforcement of weakened structures: balconies and cornices
- Treatment of chamfers and seams prior to waterproofing

CHARACTERISTICS / ADVANTAGES

- High mechanical strength
- Excellent resistance to sea water & sulphated waters

Compressive Strength		Days	MPa	PSI
		(23-25°C/90-100%RH) ASTM C109	7 28	30 - 45 46 - 65
Shrinkage	(23-25°C/90-100% RH) ASTM C596 - 28 Days	≤ 1,500 μ strain		

PRODUCT INFORMATION

Packaging	25kg bag		
Shelf Life	If properly stored in its original, unopened container, product life is 12 months from the date of manufacture.		
Storage Conditions	Store in a cool dry place.		
Setting Time	(25°C/45-50%RH): C191		
	(23-25°C/90-100% RH)		
	Initial	2 - 2.5 hours	
	Final	2.5 - 3.8 hours	

BASIS OF PRODUCT DATA

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.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Chip or remove loose and damaged concrete and laitance using a point tool or chisel in order to obtain a clean, rough surface.
- Clear out concrete around corroded rebars in order to create space for inserting the product behind and around them.
- The boundaries of the surface to be repaired must be clearly defined.
- The substrate must be free of all traces of grease and oil.
- Brush, scrape or sandblast corroded rebars in order to remove non – adherent rust.
- Dust off all surfaces to be repaired.
- Damp the substrate prior to application.
- If rebars are to be covered with less than 10 mm of mortar, they should be passivated using a slurry mix of LANKO 731 LANKOREP STRUCTURE PH and LANKO 751 LANKOLATEX.

APPLICATION

- Apply a first batch of LANKO 731 LANKOREP STRUCTURE PH with a stainless steel trowel, pressing firmly to ensure bonding.
- Apply additional mortar layer by layer using spatula or steel trowel, pressing firmly to obtain the de-sired overall thickness.
- Finish the surface of the repaired surface using a stainless steel trowel or rubber float.
- For large surfaces, the mortar may be applied by machine spray.

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.

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

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