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FibArm Resin Laminate+

Two-component epoxy system for bonding laminates.

Use for structural reinforcement in construction



Application	<ul style="list-style-type: none"> • Structural adhesive with high wettability, suitable for bonding pultruded and high resistance steel plates • Suitable for application on vertical or overhead 		
Processing	Mechanical mixing at low speed or manual mixing until complete homogenization of the two components. Application by roll, spatula or face casting. The treatment with a primer is not necessary, but the surfaces must be properly prepared by removing all the unstable parts and appropriately regularized. Do not use on wet surfaces.		
Description	Two-component epoxy filled system. The contrasting color between resin and hardener allows an easy control of the correctness of the mixing, The system cures at room temperature even with high relative moisture.		
EN 1504-4	FibArm Resin Laminate+ meets the performance requirements of legislation EN 1504-4 for bonding and structural reinforcement.		
Features	<ul style="list-style-type: none"> • composition with improved mechanical characteristics • Designed specifically for the FibArm system • High mechanical properties • High adhesion to different surfaces: concrete, masonry, metal, wood, stone • Does not require a primer • Solvent free 		
System specification		Resin	Hardener
	Color	White	Black
	Viscosity (25°C), Pas (EN 13702-2)	280-380	500-1200

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	Density (25°C), g/ml	1,75-1,85	1,50-1,60
	Mixing ratio (Wt/Wt)	100	25
	Pot life (500 ml, 25°C), min	30-40	
Properties determined on standard specimens cured 24hours at room temperature + 15 hours 60°C	System color	grey	
	System density (25°C), g/ml (ASTM D792)	1,73-1,77	
	Flexural strength, MPa (ASTM D790)	45-50	
	Flexural Modulus of Elasticity (25°C), MPa (EN ISO 178 / ASTM D790)	6500-7500	
	Shear strength (snatch, plate-plate steel, 25°C), MPa (EN 12188)	>14	
	Glass transition temperature (ASTM D3418)	52-58°C	
Sales Package	System is sold in packs Component A: 24 kg Component B: 6 kg		
Instructions	Add the appropriate amount of hardener to the resin and mix thoroughly by hand or machine in low speed, using waterproof gloves and goggles. The product reacts more rapidly in mass, therefore it is recommended after mixing of the sales packages to transfer the product into a wide basin to increase, if necessary, the working time. Apply with spatula.		
Precautions	Consult the safety precaution and comply with the provisions relating to industrial hygiene and waste disposal		