EPOCAST 36®

Description

Epocast 36® is a special, two-component pourable chocking compound enriched with high-grade fillers. Modern manufacturing methods, filling and testing systems guarantee constant compliance with the physical and chemical properties required for Epocast 36® by Classification Societies and other institution. Epocast 36® resin chocks are easy to use and offer a cost-effective alternative for conventional methods.

Application

Epocast 36® is engineered for use as suitable replacement for steel chocks when mounting main engines and auxiliary gears, compressors, pumps, tiling machines, paper presses, thrust and support bearings, etc. under service temperatures up to 80^0C and maximum surface load of 5.0 N/mm^2.

Features

Epocast 36® is simply to use, compensates all irregularities of surfaces in this way don't requires machining of the foundation. Epocast 36® allows to pour chocks up to 80 mm thick depending on the ambient temperature. It is characterized by high compressive and impact strength and chemical resistance; reduces noise and vibrations. Epocast 36® protects from crack corrosion.

Mechanical proprieties

Coefficient of linear thermal expansion	43,8 x 10^{-6} 1/K	
Linear shrinkage	15 x 10^{-4} mm/mm	ASTM D-2566
Compressive strength	164 N/mm^2	ASTM D-695
Compressive modulus of elasticity	5610 N/mm^2	ASTM D-695
Tensile strength	49,4 N/mm^2	ASTM D-638
Elastic shear modulus	2360 N/mm^2	
Izoda impact	17,2 J/m	ASTM D-256
Hardness - Barcol	55 ^{0}Barcola	ASTM D-2583
Friction coefficient	0,57	
Specific gravity	1,64 kg/dm^3	
Pot life	30 min. @ 25 ^{0}C	
	10 min. @ 50 ^{0}C	
Cure time	48 hours @ 16 ^{0}C	
	28 hours @ 21 ^{0}C	

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Creep in 70 ^{0}C	0,013 mm @ 3,4 N/mm^2 0,016 mm @ 6,9 N/mm^2 0,020 mm @ 13,8 N/mm^2 0,030 mm @ 27,6 N/mm^2	ASTM D-621

Market form

Metal cans	3,2 kg / 2,0 dm^3 6,4 kg / 4,0 dm^3 12,8 kg/8,0 dm^3

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