



Tropical Polyester Styrene Free Resin



Product Description

Chemfix Tropical Polyester Styrene Free Low Odour Resin is a high performance, rapid curing two part chemical anchoring system. Applied in one single action this resin will produce a cost effective, strong, chemical resistant fixing which is used in temperatures up to 45°C.

Key Features

- For use in Hollow Wall, Brickwork, Masonry & Concrete.
- Use in Hot and Tropical Climates.
- Economical Polyester Based Fixing Resin.
- Medium Duty Load Applications.
- Non Flammable and Non-Hazardous.
- Ideal as well for Indoor Usage.

Approvals



INSTYTUT TECHNIKI
BUDOWLANEJ
Aprobacje Technicznej
ITB nr AT-15-6900:2011
ITB-978/W



Approval nr.
CAZ 0834/1
Valid
2010-2013
For use with
hollow &
masonry

Available Sizes

380ml / 400ml / 410ml 10:1 Co-axial Cartridge
825ml 10:1 Side by Side Cartridge
330ml / 345ml / 350ml 10:1 Side by Side Cartridge
150ml / 165ml / 280ml / 300ml 10:1 Foil Bag
380ml / 400ml / 410ml 10:1 Foil Bag

IMPORTANT NOTE:

Performance based on clean holes; HAMMER DRILLED - blown and then brushed with a stiff metal brush & blown again.

Typical Gel and Curing Time*

*Figures are based on M12 fixings. Full cure is achieved after 24 hours

BASE MATERIAL TEMPERATURE (°C)	45	35	25	15	5
TYPICAL GEL TIME (mins)	5	8	12	15	20
MIN. LOAD TIME (mins)	10	15	15	20	20

Typical Performance Data at Standard Embedment Depth

Size	Concrete, $f_{ck, cube} = 25N/mm^2$ (C20/25) 5.8 Grade Steel									SETTING DATA			
	Characteristic Resistance (kN)		Design Resistance (kN)		Recommended Load (kN)		Characteristic Edge Distance (mm)		Characteristic Spacing (mm)	Hole Diameter In Concrete	Hole Diameter In Fixture	Standard Embedment In Concrete	Recommended Torque (Nm)
	Tension (N_{rk})	Shear (V_{rk})	Tension (N_{rd})	Shear (V_{rd})	Tension (N_{rec})	Shear (V_{rec})	Tension ($C_{cr,N}$)	Shear ($C_{cr,V}$)	(mm)	(mm)	(mm)	Concrete/Brick	
M8	20.2	9.5	8.1	7.6	5.8	5.4	80	100	160	10	9	80	11 / 5
M10	28.5	15.1	11.4	12.1	8.1	8.6	90	130	180	12	11	90	22 / 17
M12	40.5	21.9	16.2	17.5	11.6	12.5	110	150	220	14	13	110	38 / 28
M16	69.2	40.8	27.7	32.7	19.8	23.3	125	170	250	18	17	125	95 / 75
M20	89.9	63.7	40.7	51.0	29.1	36.4	170	190	340	24	22	170	170 / -
M24	112.6	91.8	46.3	73.4	33.1	52.4	210	240	420	28	26	210	260 / -
M30	-	-	-	-	-	-	280	350	560	35	33	280	480 / -

Typical Ultimate Physical Properties

	N/mm ²	TEST METHOD	STORAGE / SHELF LIFE	IMPORTANT
COMPRESSIVE STRENGTH	53.55	(EN ISO 604) / (ASTM 695)	This product should be stored between +5°C & +25°C. The Shelf life of the product is 12 months from the manufacture date.	The information and data given is based on our own experience, research and testing and is believed to be reliable and accurate. However, as Chemfix Products cannot know the varied uses to which its products may be applied, or the methods of application used, no warranty as to the fitness or suitability of its products is given or implied. It is the users responsibility to determine suitability of use. For further information please contact our Technical Department.
FLEXURAL STRENGTH	24.08	(EN ISO 178) / (ASTM 795)		
FLEXURAL MODULUS	2927.67	"		
TENSILE STRENGTH	12.48	(EN ISO 527) / (ASTM 638)		
E MODULUS	9651.33	"		

