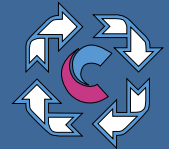


Epoxy Acrylate Resin



Product Description

Chemfix Epoxy Acrylate Resin is a high performance, rapid curing two part chemical anchoring system based on a modified epoxy acrylate. Applied in one single action this resin offers excellent protection in damp and corrosive applications.

Key Features

- Good Chemical Resistance.
- Medium & Heavy Duty Load Applications.
- High Durability.
- Ideal for Outdoors Usage.

Approvals



INSTYTUT TECHNIKI BUDOWLANEJ

Aprobacie Technicznej ITB nr AT-15-6895:2011

ITB-973/W

Available Sizes

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

BASE MATERIAL TEMPERATURE (°C)	35	25	15	5	-5	-10**
TYPICAL GEL TIME (mins)	3	6	8	19	50	60
MIN. LOAD TIME (mins)	20	20	20	30	90	180

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

**Resin temperature must be at least 20°C

Typical Performance Data at Standard Embedment Depth

Size	Concrete, $f_{ck, cube} = 25\text{N/mm}^2$ (C20/25) 5.8 Grade Studding									SETTING DATA			
	Characteristic Resistance (kN)		Design Resistance (kN)		Recommended Load (kN)		Characteristic Edge Distance (mm)		Characteristic Spacing	Hole Diameter In Concrete	Hole Diameter In Fixture	Standard Embedment In Concrete	Recommended Torque
	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)	(mm)	(Nm)
M8	15.2	9.5	8.1	7.6	5.8	5.4	80	100	160	10	9	80	6
M10	22.7	15.1	12.6	12.1	9.0	8.6	90	130	180	12	11	90	17
M12	38.8	21.9	19.7	17.5	14.1	12.5	110	150	220	14	13	110	33
M16	53.6	40.8	28.9	32.7	20.7	23.3	125	170	250	18	17	125	75
M20	68.6	63.7	41.1	51.0	27.7	36.4	170	190	340	24	22	170	120
M24	91.7	91.8	48.9	73.4	52.4	54.7	210	240	420	28	26	210	198
M30	151.2	207.1	80.6	166.1	118.6	118.6	280	350	560	35	33	280	480

Typical Ultimate Physical Properties

	N/mm ²	TEST METHOD	STORAGE / SHELF LIFE	IMPORTANT
COMPRESSIVE STRENGTH	59.91	(EN ISO 604) / (ASTM 695)	This product should be stored between +5°C & +25°C. Avoid Direct Sunlight 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	23.68	(EN ISO 178) / (ASTM 795)		
FLEXURAL MODULUS	3340.00	"		
TENSILE STRENGTH	12.25	(EN ISO 527) / (ASTM 638)		
E MODULUS	10235.43	"		

