Megapoxy

260

Flexible Epoxy Resin

Technical Data Sheet

DESCRIPTION	Megapoxy 260 is a two component, 100% solids, resin based, solvent-free, flexible epoxy resin. Designed for control and construction joints, where wider joints widths and toughness is required for a variety of jointing applications. Can be coloured with Megapoxy epoxy pigments.	
RECOMMENDED APPLICATIONS	• Construction Joints • Parking Structures • Factory Floors • Joints in Decks	• Control Joints • Warehouse Floors • Ramps and Driveways • Concrete Stairs
PROPERTIES	Mixing Ratio by Weight	100 Part A to 28.5 Part B
	Work Time at 25°C:	35 minutes
	Minimum Cure Time at 15°C	48 hours
	Minimum Cure Time at 25°C	24 hours
	Minimum Cure Time at 35°	12 minutes
	Minimum Application Temperature	10°C
	Maximum Operating Temperature	80°C
	Viscosity Part A at 25°C	30000 – 40000cps
	Viscosity Part B at 25°C	130 – 160cps
	Mixed Viscosity at 25°C	31550cps
	S.G. Part A at 25°C	1.05 – 1.10
	S.G. Part B at 25°C	0.97 – 0.99
	Mixed S.G. at 25°C	1.02
	Colour Part A	Amber - May be coloured
	Colour Part B	Clear
	Appearance Mixed	Amber - May be coloured
CURED PROPERTIES	Movement Tolerance	8 - 10%
	Compressive Strength - ASTM D695	15Mpa
	Bond Strength Concrete - ASTM D4541	>3Mpa
	Tensile Bond Strength Steel - ASTM D897	>3Mpa
	Modulus of Elasticity - ASTM D695	12Mpa
	Tensile Strength - ASTM D638	4Mpa
	Hardness - Shore A	75 minimum
	Hardness - Shore D	30 minimum

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CHARACTERISTICS	• Low VOC • Pre-metered • Mixes easily by hand or mechanically • Trafficable • Good flexibility • Very high strength • Can be coloured
SURFACE PREPARATION	**Concrete** Concrete should be free from grease and oil. If necessary, clean with industrial heavy duty degreaser. When clean, remove surface laitance. This is best done by mechanical abrasion such as scabbling, grit blasting or grinding. If this is not possible acid etching must be carried out. Mix concentrated hydrochloric acid with equal volume of water and spread at the rate of 0.5 litre per square meter of concrete surface. Allow to react for about 10 minutes and wash the area thoroughly and scrub with a stiff bristled broom to remove loose sand. Allow to dry for 24 hours. For maximum adhesion the concrete should be surface dry. If the surface is damp, use Megapoxy H as a primer. **Metal Surfaces** Metals should be grit blasted to AS CK 9.4 - 1964 Class 3 finish. If this is not possible, mechanically abrade the surface to a clean, bright metal surface. Once this abrasion is complete, degrease the surface by flooding with an industrial grade degreaser. Wire brushing is not entirely satisfactory and gives minimal adhesion only. **Coated Surfaces** It is recommend to remove all coatings prior to bonding, bonding to coated surfaces will give inferior bond strengths compared to bonding directly to a prepared substrate. Concrete: The surface may be either flame-cleaned, or mechanically treated with a scutching tool, to remove all traces of paint. Complete the preparation by diamond grinding or scabbling. Metals: Steps should be taken to remove all paint and/or galvanizing. Good quality paint stripper should be used, followed by grit blasting or grinding to a bright metal finish.
IMPORTANT INFORMATION	It is essential that the correct mixing ratio be used and that the Part A and Part B are thoroughly mixed together before use. Inaccuracies and poor mixing will result in lower physical properties of the cured system and, if the error is sufficiently large, the system may not cure satisfactorily and discolour on ageing.
CLEANING	To keep mixing implements and working tools clean, use Megapoxy Thinners. Use disposable rubber gloves to protect hands and maintain proper industrial hygiene. For further details refer to the Megapoxy 260 Safety Data Sheet.
PACKAGING	Megapoxy 260 is available in 2.5lt kits. Product should be stored in cool dry store.
TECHNICAL SERVICE	All purchasers of Megapoxy Products, are encouraged to avail themselves of our Technical Service for our Megapoxy Products. The information in this Bulletin is correct at time of publication, however continual research and development is being carried out and specs may change without notice.