

GROWSEAL™ Injection Epoxy EP-200

Description

GROWSEAL™ Injection Epoxy EP-200 is a solvent free low viscosity epoxy resin system. It is designed for sealing up cracks and cavities in concrete, masonry or rock by means of injection. Its low viscosity will allow maximum penetration into small, hairline cracks or fractures. **GROWSEAL™ Injection Epoxy EP-200** exhibits extremely high strength in its cured state, thereby restoring structural integrity.

Characteristics

- Exceptionally good penetration.
- Excellent adhesion.
- Non-shrink.

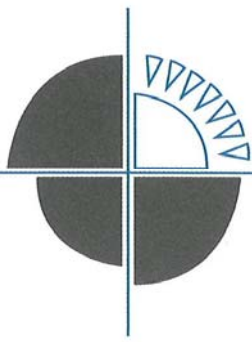
Application

- Cracked concrete.
- Structural Crack.
- Column and beams.
- Slab and Wall.

Technical Data

Growseal Injection Epoxy EP200			
	Part A Resin	Part B Hardener	Mixture
Color	Clear	Amber	Amber
Finish	-	-	Gloss
Viscosity (At 25°C)	400 - 600 cps	200 – 300 cps	
Specific Gravity	1.14	1.03	
Flash Point			> 100°C
Solid Content			100%
Mix Ratio (By Weight)			A:B = 2:1 *
Compressive Strength			Approx 60 N/mm ²
Tensile Strength			Approx 38 N/mm ²
Lowest Application Temperature			5°C
Curing Time (100g at 25°C)			Touch Dry : 100 min for 1 - 2mm thickness
			Hard Dry : 8 hours for 1 - 2mm thickness
			Full Cured : 7 days Curing time may be varied by temperature change
Overcoating Time			12 hours Overcoating time may be varied by temperature change

*The recommended mixing ratio should be followed strictly. Improper mixing ratio may result in failure of the performance of the products.



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Application Technique

Surface preparation is critical. Concrete surface or crack sidewalls should be sound and clean. Remove dirt, dust, loose particles, grease, oil, efflorescence or any material detrimental to the bonding of epoxy by mechanical means and water. Acids and corrosives shall Not be used for cleaning. This will ensure a superior bond after the resin has cured.

GROWSEAL™ Injection Epoxy EP-200 is moisture insensitive and will bond to damp concrete surfaces & although dry conditions are desirable.

Package

Standard Size	Part A	Part B
3 kg/set	2 kg	1 kg
6 kg/set	4 kg	2 kg

Thinning / Cleaning

Thinning is Not recommended because it will cause the solvent scraping and it affects the hardness and chemical resistance property. Clean equipment immediately by thinner after use.

Storage

Store between 5°C - 30°C in original unopened containers. Do not allow product to be freezed or exposed to direct sunlight.

Health and Safety

Extra care should be taken to handle the material and prevent the liquid from coming into contact with skin and the eyes. Use protective clothing and rubber gloves. Avoid inhalation of their vapour.

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