

# Megapoxy HELLAS<sup>®</sup>

## Technical Bulletin

### MEGAPOXY HX

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### Solvent free hydrophilic epoxy extra low viscosity



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#### Summary

Recent advances in epoxy resin technology enabled the development of very low viscosity 100% reactive epoxy resin system for repair of cracked concrete by gravity penetration or low pressure injection.

MEGAPOXY HX is also suitable for impregnation of porous substrates such as masonry and timber.

MEGAPOXY HX has also been used successfully as a low viscosity laminating resin for fibreglass work.

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#### Properties cured

**Ultimate compressive strength: 95 MPa**

**Ultimate flexural strength: 35 MPa**

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#### Instructions for use

##### Mixing ratio by volume

- Part A: 3 parts
- Part B: 1 part

**Pot life (1 litre mix): 30 minutes at 25°C**

**Initial mixed viscosity: 30 minutes at 25°C**

**Full cure: 48 hours at 5°C**

MEGAPOXY HX should be used in manner similar to MEGAPOXY H Multi Purpose Hydrophilic Resin where extra low viscosity is required. The cured properties of MEGAPOXY HX are very similar to those of MEGAPOXY H and mixing and working recommendations for MEGAPOXY H apply to MEGAPOXY HX.

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#### Packaging

MEGAPOXY HX is available in 4 litre and 20 litre kit. Each kit contains the resin and hardener pre-metered in correct mixing ratio for immediate use.

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#### Technical service

All purchasers of Megapoxy products are invited to avail themselves of our technical service on epoxy resins. The methods and systems outlined in this bulletin are the best available at the present time, however continual research and development is being carried out and could result in change without prior notice.

Please do not hesitate to contact us, for any additional information.