



# HPG-130

## Hydrophilic Polyurethane Grout

### Technical information

Properties	Test Method	Results
<i>Un-cured</i>		
Viscosity @ 25°C	ASTM D 1638	500cps
Specific gravity		1.06
Physical state		Liquid
<i>Cured</i>		
Density	ASTM D 1622	64kg/m <sup>3</sup>
Elongation	ASTM D 638	400%
Tensile strength	ASTM D638	2MPa

HPG-130 is a low viscosity hydrophilic polyurethane grout designed to be injected into leaking masonry structures via injection ports. The reaction time can be manipulated with the simple addition of HPG-130 Catalyst to suit job-site conditions. HPG-130, being hydrophilic, will react with minimal water amounts and will maintain its semi-flexible structure through both wet and dry phases. Upon curing HPG-130 forms a water tight seal within the substrate.

#### Benefits

- Outstanding adhesion to both wet and dry surfaces
- Pumped in as a single component
- Operational in a pH range of 3-10
- 100% solids
- Non-flammable
- Cures inert-providing a non-toxic permanent seal

#### Ideally suited for leaking cracks and joints in:

- Water retaining structures
- Waste treatment plants
- Basements
- Below grade parking garages
- Storm water system
- Tunnels
- Elevator pits
- Sewers and manholes

#### Accelerator dosage.

Reaction times may be adjusted prior to the pumping stage with the addition of 1-5% by volume of the HPG-130 Catalyst. *Example @ 2.5% by volume the expansion will commence in around 40 seconds and be complete in around 3 minutes.*

*@ 5.0% by volume the expansion will commence in around 20 seconds and be complete in 2 minutes.*

Note: above information is to be used as a guide only. Variation in water chemistry will affect results.

#### Tools and accessories

Pump and injection ports are available from Allduro.

Please contact your sales representative for product information and availability.

#### Personal protection

- FOR PROFESSIONAL USE ONLY
- Avoid breathing in vapour
- Use only in well ventilated area
- Avoid contact with skin
- Wear protective gloves
- Wear eye protection
- Carefully read MSDS prior to commencement of works

#### Limitations

Note.  
This data sheet is intended as a guide to aid in the consideration and/or application of the product. There are varying factors including but not limited to pH levels in the ground water, humidity, ambient temperature, reaction under confinement etc. It is recommended sample tests are carried out to establish the procedures required to achieve the desired result.

#### Clean up

For un-cured material wipe clean with a cloth and xypol. Clean tools immediately after use with a cloth and xypol.

#### Transport

Hazardous Chemical. Non-dangerous goods. According to the WHS regulations and the ADG code.

#### Packaging

10lt HPG-130 plus 500ml Catalyst  
20lt HPG-130 plus 1000ml Catalyst

#### Colour

Straw/beige

#### First Aid

In case of eye contact, flush with large amounts of fresh clean water and seek medical attention immediately. For skin contact, wipe excess liquid from skin and wash vigorously with soap and water. If breathing becomes difficult, provide oxygen and seek medical attention immediately.

#### Safety precaution

Throughout the chemical reaction, polyurethane grouts release heat via an exothermic reaction. If the product is applied in large enough volumes exothermic reactions can generate enough heat to become a fire hazard. All necessary precautions should be taken to avoid such risk.

#### Storage

HPG-130 is moisture sensitive by nature and must be stored in original sealed containers at temperatures between 10C and 35C. Opened containers must be handled in a way to prevent moisture contamination. Shelf life in unopened containers is 12 months when properly stored.

**Warranty Information** - This limited warranty is limited to the replacement of the materials which are defective. Allduro makes no other warranty, expressed or implied, and makes no warranty of merchantability or fitness for a particular purpose. This limited warranty does not include any transportation charges or costs of installation or any liability for direct, indirect, consequential, or punitive damages or delay, whether or not the undersigned has been advised of such claims. THE FOREGOING LIMITED WARRANTY IS THE SOLE WARRANTY FOR THE PRODUCT. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed providing that it is applied in accordance with the manufacturer's instructions as stated in this data sheet and any relevant Standard or Code and provided that the building and installation is structurally sound. Allduro terms and conditions of sale apply.

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