

HYPERSEAL DPS-200



Single Component Hydrophilic Sealant

Description

Hyperseal DPS-200 is a grey, elastic water-swallowable paste which is applied like a sealant. The hydrophilic properties of Hyperseal DPS-200 display good consistency in swell rate during repeated wet/dry cycling. Expansion of the product on contact with water creates a pressure seal against each side of the joint, thus preventing the passage of water.

Uses

Hyperseal DPS-200 can be used as an adhesive for installing Hyperseal DP strips or as a problem-solving hydrophilic waterstop in difficult access areas.

Typical Areas of Application

- Construction & low-movement joints
- Concrete foundations and walls
- Concrete slabs on grade
- Pre-cast Concrete segments
- Elevator pits and equipment pits
- Water towers, reservoirs and water storage tanks
- H-beams and other complex configurations
- Pipe-penetrations
- Manhole covers & cable ducts
- Tunnels, underground vaults, etc

Advantages

- Easy to install
- Long-lasting durability
- Fast curing – hand placed concrete can occur between 2 to 8 hours, large scale pours 24 hours
- Conforms easily to irregular surfaces
- Swelling properties unaffected by long term wet/dry cycles
- Sustains effective seal in submerged environments
- Suitable for fresh or salt-water environments
- Excellent adhesion to a variety of damp and uneven joint surfaces
- Compatible with common building materials, plastics, metals, etc

Physical Properties



Form:	Elastic swellable paste
Colour:	Grey
Expansion:	> 100%
Specific gravity ASTM D-71:	1.30
Tack-free time:	Approximately 1 hour
Harden rate:	3mm in 24 hours
Coverage:	Each 300ml cartridge will provide enough material for approximately 1.5 metres when gunned to form a consistent 16mm diameter bead.
Packaging:	300ml cartridge (25 per box)

Storage

Hyperseal DPS-200 should be stored in a cool, dry place below 32°C.

Shelf Life

Use within 12 months after the production date shown on cartridge. Any opened cartridges must be used within 24 hours.

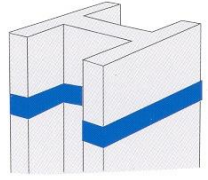

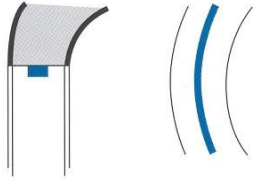
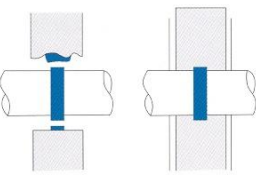
Safety

Before using or handling materials, please read all relevant Material Safety Data Sheets (MSDS). Hyperseal DPS-200 may cause sensitivity, avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. Use only in well ventilated areas.

Application instructions

1. Cut conical tip off cartridge end-thread, screw on nozzle and cut to required size. Place Hyperseal DPS-200 into sealant gun and apply like a conventional sealant.
2. Ensure a minimum of 70mm concrete cover over the Hyperseal DPS-200 to accommodate swelling pressure, and prevent concrete blow-outs. Minimal coverage is sufficient for well secured plastic or metal junctions.
3. Extrude a bead approximately 15mm diameter onto the substrate, ensuring that there is no break in the bead.
4. After application, allow 30 minutes curing before the product comes in contact with water. A minimum of 2 to 8 hours (depending on ambient temperature conditions) should be allowed before applying hand-placed concrete and 24 hours for large concrete pours.

Typical Positioning

<p>H type steel surround.</p> <p>No gaps are formed with simple caulking installations.</p>	
<p>Concrete Joints.</p> <p>Installation possible for smooth or rough surfaces.</p>	
<p>Tunnel Construction.</p> <p>Easy to install for all finishes and profiles.</p>	
<p>Pipe Penetrations.</p> <p>Can adapt easily to various pipe configurations.</p>	

Limitations

- Do not leave product exposed to inclement weather conditions which could cause the material to expand prematurely. If this occurs allow the product to fully dry out either naturally or by using a hot air gun before covering with concrete.
- Do not utilise in areas affected by consistently high temperatures, such as roof slabs.
- Although Hyperseal DPS-200 is suitable for salt-water environments, performance may be hindered slightly.
- Hyperseal DPS-200 should not be used for expansion joints subject to significant movement.

Warranty

The seller warrants that at the time of shipment its products are free from manufacturing defects and, when applied in accordance with the current specification and application instructions, will perform as so stated in its product literature. Project specific warranties are available on request; please consult your nearest distributor for further information.

Product Disclaimer

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations are only for the uses they are intended. Krystol Group Pty Ltd does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product. We also reserve the right to update information without prior notice to you to reflect ongoing research and development programs. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with any relevant items.

Technical support

For any additional information not expressed in this document, please contact us via the details below.