

Hydra Stop 300

Description and Uses

Hydra Stop 300 is a low viscosity single component hydrophobic polyurethane with good flexibility. It is used to seal leaks in concrete cracks and joints. The product can be injected as supplied using static mixers, pumps, surface ports and Applied Technologies Surface Pastes as a complete concrete crack repair system. Hydra Stop 300 is available in 300 cc x 300 cc cartridges and used with a dual cartridge gun for dispensing. When reacted with water, Hydra Stop 300 will foam and expand. The resulting foam will not shrink in volume because it is a hydrophobic formula. The foam that is produced is a closed cell foam that cuts off water penetration.

Advantages

- Hydrophobic
- No VOCs
- Single component
- Expands up to 25x initial volume
- Superior adhesion to concrete
- Non-hazardous shipping
- Non-shrink after curing
- Flexible foam
- Closed cell foam stops water
- 60 second initial cure
- 10-15 minute full cure
- Cures inert, non-toxic

Specifications

Liquid Property	Test	Result
Viscosity	ASTM D-1638	300 cps
Specific Gravity	ASTM D-1475	1.10
Color		Light amber
Flash Point		>250F
VOC Content		<200gm/L
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	Solid Cured	
Density	ASTM D-1622	5 lbs/ ft ³
Elongation	ASTM D-638	140%
Tensile Strength	ASTM D-638	25 psi
Toxicity		Non-toxic cured

Cure Time

60 seconds initial, 10-15 minutes full cure

Activation

Water activated

Application Equipment

Contact Applied Technologies for equipment recommendations for the particular application and conditions.

Personal Protection

Read MSDS for complete details. For professional use only. Avoid breathing vapors- use in well ventilated areas only. Or use self contained respiratory protection in confined spaces. Avoid skin contact-wear protective gloves. Avoid eye contact-wear eye protection. Do not ingest.

First Aid

In case of eye contact, flush with large amounts of water and get medical attention. For skin contact, wipe excess liquid from skin and wash with soap and water. If breathing is difficult give oxygen and get medical attention.

Storage and Shelf Life

Product is moisture sensitive. Store in original sealed containers at temperatures between 500-900F (100-320C.) Opened containers must be handled properly to prevent moisture contamination. Shelf life is 12 months when properly stored.

Clean Up of Spills or Leakage

With adequate ventilation and appropriate personal protective equipment, cover the spill area with absorbent material such as clay or vermiculite and transfer to metal waste containers. DO NOT RESEAL CONTAINERS AS REACTION OF CONTAMINATED MATERIAL CAN CREATE PRESSURE. Wash area with decontamination solution (5-10% solution sodium carbonate.) Dispose of waste in accordance of all Federal, State and Local regulations.

Shipping Information

Shipping class USDOT Class 55; USDOT Hazard Classification: Nonhazardous

Warning

- Use with adequate ventilation
- Keep out of reach of children
- Do not take internally
- In case of ingestion call a physician, do not induce vomiting

Warranty

DISCLAIMER OF WARRANTY AND LIABILITY: Applied Technologies warrants its products to be free of manufacturing defects and that at the time and place we make shipment, our material meets the current published physical properties in accordance with ASTM and the Manufacturer's standards. Under this warranty and limitation of liability, Applied Technologies will supply at no charge, product containers to replace any product proved to be defective. Applied Technologies' obligation is limited solely to such replacement and is subject to receipt by Applied Technologies of a written notice of alleged defects, promptly after discovery thereof. This warranty excludes discoloration or change in visual appearance of the product due to accumulation of or streaking of dirt or other airborne materials deposited on the surface from the atmosphere. Applied Technologies does not warrant the color fastness unless specifically stated otherwise. Before application, the buyer shall determine the suitability of the product for the intended use and buyer assumes all risks and liabilities whatsoever in connection with them. THIS WARRANTY IS MADE IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE WHICH ARE HEREBY DISCLAIMED. IT IS UNDERSTOOD AND AGREED THAT BUYERS SOLE REMEDY AND THEREFORE APPLIED TECHNOLOGIES LIABILITY WHETHER ON CONTRACT, TORT, WARRANTY IN NEGLIGENCE, OR OTHERWISE SHALL BE LIMITED TO THE RETURN OF THE PURCHASE PRICE PAID BY PURCHASER OR REPLACEMENT OF ANY DEFECTIVE GOODS SOLD BY APPLIED TECHNOLOGIES AND UNDER NO CIRCUMSTANCES SHALL APPLIED TECHNOLOGIES BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES. THE PRICE STATED FOR THE GOODS IS A CONSIDERATION IN LIMITING APPLIED TECHNOLOGIES LIABILITY. The term of this paragraph may not be orally modified. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF.