STANDARD ACCESSORIES

HYDRA-SEAL® S-60

- Foam-in-place two-part polyurethane material expands approximately 15 times in volume to form a strong, tough foam for sealing conduits and innerducts, cracks in walls and filling large voids
- Specially developed for the construction, telecommunications, and electrical industries to prevent the intrusion of water and gasses through conduits in manholes, cable vaults, and handholes
- Once installed, foam presents a blue color which allows for quick product identification and ensures that the proper sealant type is being used during applications
- Compatible with all common cable jacket materials
- Fast set time, even under low temperature conditions
- Excellent mechanical adhesion to conduits and cables
- Excellent water resistance; can hold back up to 70 feet of water head pressure
- Re-enterable
- Each cylinder cartridge contains 6 ounces of foam and utilizes any standard caulking gun for dispensing
- Each kit contains one dual cartridge (Parts A and B), static mixing nozzle, damming material and disposable gloves packaged in a clear bag with product instructions. A dispensing gun is used to extrude the S-60 material. Partially "gunned" cartridges may be reused by refitting with a new static mixing nozzle
- Does not contain TDI and is CFC and HCFC free
- Specially formulated to perform in temperatures ranging from 20° to 100° F

HYDRA-SEAL ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING	SHIPPING WEIGHT (LBS)	PART #
	1 Cylinder, 2 Donuts, 2 Strips, Gloves	20 Kits/Case	20.0	20000329
	1 Cylinder, 4 Strips, Gloves	20 Kits/Case	20.0	20000332
	4" Foam Donut	48/Case	1.5	20000166
	Mixing Nozzles	24/Case	5.0	20000167
	Foam Stripping	48/Case	2.0	20000280

HYDRA-SEAL S-60 TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	VALUE		
Appearance	—	Pt. A Pt. B Cured	Amber liquid Brown liquid Yellowish friable foam	
Mixing Ratio (Pt. A : Pt. B)	—	By weight By volume	100 : 118 100 : 100	
Working Life Cream time (seconds) Rise time (seconds) Tack free time (seconds) Full Cure time (hours)	—	@ 30°F 75 180 240 18	@ 70°F 20 9 90 12	@ 100°F 6 60 60 8
Apparent Density	ASTM D1622	3 - 4 lbs. / cu. ft.		
Closed Cell Content	ASTM D2856	> 90%		
Compressive Strength	ASTM D1621	40 psi		
Cable "Pull-out" Strength	(1" dia. 15kV cable w/PVC jacket, sealed w/8" of sealant in a 4" dia. (HDPE conduit)	> 165 pounds pull-out strength		
Compatibility with Semi-conductive Shields and Jackets	IEEE/ICC P1026 IEEE/ICC P1210	No deleterious effects on volume resistivity of semi-conductive insulations		
Chemical Resistance	—	Resistant to: water, salt water (10%), mild inorganic acids, mild and strong bases, jet fuel, kerosene, gasoline		
Service Temperature	—	-50°F to 250°F (-46°C to 121°C)		

APPLICATION S-60 is safe for use with PVC or Polyethylene and will not harm cable jackets. Once S-60 is expunged from the cartridge the hardening process will begin immediately and set in 1-2 minutes (hardening is a function of temperature and set times may vary). Surface hardness will develop in approximately 10 to 30 minutes. The hardening process can tolerate a small amount of moisture, however large amounts could inhibit final outcome.

STORAGE It is not recommended to store S-60 at extreme temperatures (in excess of 100°F or below 20°F). The shelf life of S-60 in an unopened bag at a storage temperature below 100°F is 12 months. Storage above 100°F may alter the expansion ratio of the product.

SAFETY The uncured components of S-60 can cause irritation to eyes, skin and mucous membranes, and are harmful if swallowed. When handling, avoid all contact with eyes, skin and clothing. Wear protective gloves (supplied with each kit) and safety glasses. In case of skin contact, promptly wipe off excess, then wash with soap and water. For eye contact, flush eyes with plenty of water for at least 15 minutes, and then obtain medical attention. Always wash hands before eating or smoking. Obtain immediate medical attention in case of ingestion. (Do not induce vomiting!) S-60 Conduit Foam Sealant contains isocyanates (MDI) which may cause allergic skin or respiratory reaction.

Although MDI is extremely low in volatility, an inhalation hazard can exist from MDI vapors formed during heating, foaming or spraying. Use this product with adequate ventilation. Consult the S-60 Conduit Foam Sealant (Parts A and B) Material Safety Data Sheets (MSDS) for additional health and safety information.

WARRANTY STATEMENT Seller's liability (whether under the theories of breach of contract or warranty, negligence, or strict liability) for its goods shall be limited to replacing such quantity of this product proven to be defective or, at Dura-Line's option, to refund the purchase price of such product. **IN NO EVENT SHALL DURA-LINE CORPORATION BE LIABLE FOR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THIS PRODUCT. DURA-LINE SPECIFICALLY DISCLAIMS ANY WARRANTY, EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** Dura-Line shall not be liable for any loss, injury, or damage, direct or indirect, arising from the use or the failure to properly use this product. The user assumes all risk and liability in connection with this product.