



PRO-POLY™

HIGH STRENGTH ADHESIVE FOR POLYETHYLENE

ADVANTAGES OF **PRO-POLY**:

- ▶ Faster than fusion welding
- ▶ Less expensive than mechanical couplings
- ▶ Excellent bond strength
- ▶ Minimal equipment expense
- ▶ Air & water tight
- ▶ Easy to use

PRO-POLY™ - *The PE Solution!*



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HIGH STRENGTH ADHESIVE FOR POLYETHYLENE

DESCRIPTION

Pro-Poly is a high strength polyethylene adhesive for coupling of HDPE pipe using standard PVC couplings, HDPE couplings and other non-standard materials. **Pro-Poly** is also used for bonding polypropylene, LDPE, ABS, polycarbonate, nylon, fiberglass, steel and aluminum.

PACKAGING/YIELD

35 ml cartridges - One 35ml cartridge of **Pro-Poly** typically adheres 7 to 10 - 2" couplings.

PERFORMANCE OF CURED MATERIALS

Lap Shear Strength (ASTM D1002)	Lbs/inch ² 24hrs@75°F
HDPE to PVC	175
HDPE to Steel	120
HDPE to Aluminum	210
HDPE to ABS	307
HDPE to HDPE	310
Polypropylene to Polypropylene	307
Nylon to Nylon	250
Kydec to Kydec	200
Polycarbonate to Polycarbonate	240
Steel to Steel	350
Aluminum to Aluminum	360

CURE SCHEDULE AT VARIOUS TEMPERATURES

Curing Time	40 °F (Lbs/inch ²)	75 °F (Lbs/inch ²)	100 °F (Lbs/inch ²)
1 Hour	11	12	52
2 Hours	23	27	57
3 Hours	27	45	108
4 Hours	30	42	144
5 Hours	35	56	300
6 Hours	33	67	420
7 Hours	41	73	540
8 Hours	40	79	558
9 Hours	47	106	582
24 Hours	82	310	582
48 Hours	155	580	580
7 Days	243	575	585
14 Days	505	576	576

INSTRUCTIONS FOR USE

- 1) Sand coupling inside and duct ends outside to prepare bonding area. Use included 120 grit emery cloth or sand paper.
- 2) Place cartridge into dispensing tool.
- 3) Remove cap from cartridge.
- 4) Purge cartridge to ensure both components are being extruded.
- 5) Attach static mixer to cartridge. Using constant and even pressure, extrude material onto a clean surface until uniform color and consistency is established (4"-8" of material). If dispensing is altered, re-establish uniform color prior to continuing.
- 6) Apply Pro-Poly in a 1/8" to 1/4" bead around the leading edge of the duct or conduit.
- 7) Attach coupling and ducts within the 3 minute working time of the adhesive.
- 8) For subsequent applications using the same cartridge, after ducts and coupling are prepared; remove used static mixer and follow steps 4 through 7.



Disclaimer of Warranties: Neither manufacturer nor seller has any knowledge or control concerning the purchaser's use of the product. No expressed warranty is made by manufacturer or seller with respect to the results of any use of the product or container that the product comes in. No implied warranties including, but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose are made with respect to the product. Neither manufacturer nor seller assume any liability for personal injury, loss or damage resulting from the use of the product. In the event that the product shall prove defective, buyer's exclusive remedy shall be as follows: Seller or manufacturer shall, upon request of buyer, replace any quantity of the product which is proven to be defective or shall, at its option, refund the purchase price of the product upon return of the product. Manufacturer shall not be responsible for use of this product in a manner to infringe on any patent held by others.