



PRODUCT DATA

deVan 540 ELASTIC INSULATION TAPE

PRODUCT DESCRIPTION:

deVan No. 540 elastic compound was designed for a gasketing and sealing material for refrigeration, electrical application, and crack patch. deVan No. 540 has surface tack and accumulative adhesion.

COMPOSITION:	Saturated hydrocarbons and resins
PERCENT SOLIDS:	99.6 minimum
COLOR:	Black
WEIGHT PER GALLON:	8 pounds
ADHESION:	Excellent to dry, dust free, commercially clean rubber, metal, asphalt, concrete, glass, plastics, wood, and painted surfaces. Will accumulate adhesion through oil coated wood within 24 hours. Can be molded by hand to fit any shape. Bonds firmly to itself and needs no supplemental adhesive or heat.
RESISTANCE TO:	No weight loss or change in consistency to the material when placed in the following solutions for 96 hours at 120°F: <ol style="list-style-type: none">1. 85% Phosphoric Acid Solution2. 58% Phosphoric Acid Solution3. 35% Nitric Acid Solution4. 35% Hydrochloric Acid Solution5. 35% Sulfuric Acid Solution6. 35% Sodium Hydroxide Solution7. 60% Ammonium Nitrate Solution8. 25% Urea Solution9. 1800 hours salt spray10. 5 years underground exposure with no failure to deterioration <p>Will swell and dissolve in organic solvents</p>
OXIDATION:	Will not harden or lose its flexibility, sag, or dry out after 1,000 hours of weatherometer exposure or at -40°F to 180°F. Stores indefinitely.

Surface to which No. 581 is to be applied need to be completely clean. In most instances the aggressive adhesion of No. 581 will accumulate through most commercial films. Material should be tried for each application.

deVan 540
ELASTIC INSULATION TAPE
Page 2

DI-ELECTRIC STRENGTH:	1/8" thick 21,000 volts break down
SHRINKAGE:	None
FREEZE-THAW CYCLING:	Excellent resistance with no detrimental effects
PHYSICAL PROPERTIES:	Elongation at 0°F, 200% Elongation at 77°F, 1200% Tensile strength 40 psi with cohesive failure 1/8" thickness will withstand: 20 psi for 10 minutes 10 psi for 30 minutes 5 psi for greater than 3 hours A damming system of deVan No. 540 over .032" metal with withstand the pressure (15 psi) in very large storage tanks. A 3/8" hole was dammed with .032" metal 5/8" square and covered with 1/8" thick 540 one inch square. this was covered with 2 inches of water in a 1-1/2" cylinder and the following air pressure applied for the given time, with no loss of water: 20 psi for 8 hours 40 psi for 8 hours 60 psi for 8 hours 80 psi for 8 hours 100 psi for 36 hours
APPLICATIONS:	See attached sheet
EFFECT ON:	Rubber, plastic, latex, epoxy, urethane paints – none. Come oil based paints will stain.
TOXICITY:	Non-toxic, non-injurious, non-irritation, and non-pollutant
PACKAGING:	Ribbon – flat packed – rolls 2" and 6" wide x 30' long
FREIGHT CLASSIFICATION:	Caulking Compound NOIBN Item 149610 – Class 55

SUGGESTED APPLICATIONS:

1. As a damming system (see physical properties) covered with high abrasion resistant epoxy and/or urethane paints in:
 - A. Large liquid storage tanks
 - B. Feed hoppers
 - C. Sandblasting Booths
2. As a seal for cracks, flashing, etc. in all metal, concreted, and wood utilities in the agricultural field.
3. Repairing roof cracks, flashing, copings and the like. 540 is superior to roof patching mastic systems in ease of application, clean-up and durability.
4. Water proof rain gutters.
5. Seal pipe entrances into concrete walls and concrete pipe joints.
6. Manhole covers.
7. Seal caskets and graves.
8. Seal septic tanks.
9. Soft electrical tape.
10. Side wall seams.
11. Air condition and ventilation ducts
12. Storage hatches on cargo ships, barges and the like
13. As a cushioning, sealing and supportive flooring substrate under interior hardwood, exterior decking and concrete
14. As an insulation and anti-squeak in metal assemblies
15. As a repair medium in concrete surfaces, parking decks, drives, etc.
16. As a sound dampening tape applied to wheels wells, fender liners and the like in automobiles and wherever sound elimination features are desirable
17. As a corrosion inhibitor between two pieces of metal or other corrosive material on equipment constantly exposed to the environment
18. It has so many uses- only the user can determine how many

This data is based on tests believed to be reliable and is given for information only.

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