



AP-1 CONSTRUCTION SEALANT & ADHESIVE

TECHNICAL DATA SHEET



TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Density	11.5 lb./gal.
Low Temp Flex @ (-20 °C)	Pass
Tack Free	30 min.
Solids by Weight	>95%
Tensile Strength	>200 psi
Elongation (ASTM D412)	>150%
Slump @ 80 °C	Pass
Consistency	Pliable
Skin Time (50% Relative Humidity, 70°F)	2-4 hours
Full Cure (50% Relative Humidity, 70°F)	24 hours
Application Temperatures	40°F - 110°F
Shore Hardness (A)	55 ± 5
Shelf Life (Store < 80 °F) (50% RH) (original, unopened container)	12 months
Sag	None
Water Resistance	Pass

Approx. Shipping Weights:

(Note: All approx. weights include container)

10 fl. oz tube (296ml)	1lb.
1 Case (12 tubes)	12 lb.

VOC: <10 g/L (regulatory)

DESCRIPTION:

APOC AP-1 Construction Sealant & Adhesive is an all-purpose, heavy-duty, paintable and coatable, structural sealant and adhesive that is low VOC, low-odor and can be used in a wide variety of industrial, commercial and residential applications. AP-1 Exceeds performance requirements of ASTM C920, Type S, Grade Class NS. AP-1 bonds to most building materials including glass, wood, masonry, block, non-asphaltic roofing materials, insulation, foam, aluminum, metal, aged single ply and many other substrates. Avoid substrates/joints contaminated with grease, wax, or corrosion.

PREPARATION:

Prior to application, refer to published technical data sheet for complete application instructions. Apply to a dry surface. If moisture or dew is present, product will bond, however use only as a topical or temporary repair to avoid water entrapment. All surfaces should be clean, dry and free from all dirt, grease, debris, rust, release agents or other contamination that may prevent proper bonding. Clean surfaces using a compatible cleaner.

APPLICATION:

Trim nozzle to desired bead size, puncture foil seal at inner base inside the nozzle and load into caulk gun. While applying sealant, hold nozzle at a 45° angle, pushing sealant into gap. Sealant may be brushed or troweled to desired finish. All joints should utilize a backer rod or other approved bond breakers which are 25% larger than the joint opening. All joints must be installed according to ASTM and SWRI recommendations and guidelines. This is a moisture cure product. Skin time is 2-4 hours 70°F (21°C) at 50% relative humidity. Fully cures and can be coated or painted and in 48 hours at 70°F (21°C) & 50% relative humidity.



COVERAGE RATE:

Approximately 25 lin. ft. @ 1/4 in. thickness

CLEAN-UP:

Xylene, Toluene, or MEK.

STORAGE & HANDLING PRECAUTIONS:

Storage of material should be indoors and protected from the sun and weather. Store as close as possible to room temperatures. Store product in cool and dry conditions below 90°F (32°C) in the original unopened containers. In climates or storage conditions with higher temperatures and/or high humidity, shelf life will be reduced. Rotation of stock is required. Cartons should be stacked upright with the nozzle tips upward. Do not stack on sides. Never stack boxes more than eight high. Do not store product within four feet of ceiling. DO NOT HEAT OR THIN. When transporting product, use the cargo area of vehicle and secure over protective 6 mil plastic sheeting to prevent damage due to accidental spills.

PRECAUTIONS:

Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. KEEP OUT OF REACH OF CHILDREN. Contains diisononylphthalate, trimethoxyvinylsilane and other additives. If exposed or concerned get medical advice. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated

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PERSONAL PROTECTIVE EQUIPMENT



EYEWEAR



PROTECTIVE
CLOTHING



GLOVES

clothing before reuse. Store locked up. Dispose of contents/container to authorized hazardous or special waste collection point and in accordance with applicable local/national/regional/international regulations. SEE SAFETY DATA SHEET.

WARRANTY AND DISCLAIMER:

APOC warrants product to be free of material defects for the "Warranty Period", from the date of purchase. Product must be applied in accordance with the proper application procedures, and for the intended use as stated on the label. Proper preparation and drying conditions must be observed to achieve correct results. Should a product not perform as stated, APOC shall, within its sole discretion and upon receipt of purchaser's timely written notice within the Warranty Period, provide replacement product to repair the affected area or prorate a portion of the purchase price of the defective product based on the claim period. This limited warranty does not cover labor or installation costs, consequential damages or incidental damages. Under no circumstances will the company be liable for any amount in excess of the product purchase price. Contact company below to request a refund with purchase receipt. There are no warranties which extend beyond the description on the face hereof. THIS LIMITED WARRANTY IS THE SOLE WARRANTY PROVIDED BY APOC TO THE PURCHASER. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE PROVIDED WITH THIS PRODUCT.