APS 500®
ADVANCED POLYMER SEALANT

TECHNICAL DATA
APS500 SEALANT

PRODUCT DESCRIPTION
APS 500® is a one-component, low-modulus, moisture curing, advanced polymer adhesive and sealant. The product's one component design ensures that it cures rapidly when exposed to atmospheric moisture to form a durable bond and can be applied in a wide range of temperature and weather conditions (-40° F to 140°F). It is engineered to deliver aggressive adhesion with the most common construction substrates, while ensuring complete compatibility. These unique features make it the sealant of choice for professionals everywhere. APS500 is UV resistant.

USES
APS 500® can be used for a variety of applications including, but not limited to; roofing, siding, windows, doors, concrete & masonry, metal buildings, EFIS, HVAC, marble/granite, etc.. Do not use on ashpaltic materials.

DIRECTIONS FOR USE
Read and understand technical data sheet completely before beginning installation. Always do a test area to ensure product satisfaction and to become familiar with proper application techniques.

SURFACE PREPARATION
The substrate must be clean, frost free and free of any oils, greases or incompatible sealers that may interfere with adhesion. Do not apply if surface is contaminated. Can be applied to damp surfaces, but best results are achieved when applied to a clean dry surface.

APPLICATION
Cut nozzle to desired bead size. Apply with caulking gun, forcing adhesive/sealant onto the substrate. Tool if necessary.

CLEAN-UP
Clean excess material with mineral spirits or similar solvent.

CURING
Under normal conditions (70°F, 50% RH) material cures in 48 hours. The higher the humidity and temperature, the faster the cure.

CHEMICAL & PHYSICAL PROPERTIES

PHYSICAL PROPERTY	TEST METHOD	TYPICAL VALUE
Tensile Strength	ASTM D412	205 psi
Elongation	ASTM D412	500%
Shore Hardness	ASTM C661	30 +/- 5
Service Temperature		-75ºF to +300ºF
Joint Sealant Designation	ASTM C920	Type S, Grade NS, Class 50, use A, NT, G, M
[1]Adhesion and Cohesion	ASTM C719	Pass on glass, aluminum and concrete for +/- 50% movement
Staining	ASTM D2203	None
VOC	EPA Method 24	14 g/L
Low Temp. Flexibility	ASTM C 711	Pass -10 ° F ¼ inch mandrel
High Temp. Flexibility	Industrial Method	Up to 200° F
Cure Rate	Industrial Method	48 hours
Skin Time Cure Time	Industrial Method	40° F at 40% humidity 40 minutes 2 - 3 days 75° F at 50% humidity 10 minutes < 24 hours 95° F at 95% humidity 5 minutes

APPROXIMATE* LINEAR FEET/COVERAGE PER 10.1 FL. OZ. CARTRIDGE (298 ML)

		WIDTH							
		1/8”	1/4”	3/8”	1/2”	5/8”	3/4”	7/8”	1”
DEPTH	1/8”	99	49	33	24	20	16	14	12
	1/4”		24	20	12	10	8	7	6
	3/8”			11	8	6	5	5	4
	1/2”				6	5	4	3	3

LIMITATIONS
Do not apply over contaminated surfaces. Best result when applied over a clean dry surface. Always utilize the Safety Data Sheet (SDS) for information on Personal Protective Equipment (PPE) and health hazards.

STORAGE/SHELF LIFE
Be sure to rotate inventory accordingly. Material must be stored in a low humidity (<50% RH) environment at room temperature (73 +/- 2°F) in their unopened container. Cartridges must be used within 10 months from date of manufacture.

PACKAGING
10.1 oz. Cartridge: 24/case, 80 cases/pallet

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

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