



Coat & Seal

is an elastomeric, environmentally friendly, UV resistant Duct Mastic that will allow you to work faster, apply less material, and confidently stake your reputation on the quality and integrity of the seal. Coat & Seal utilizes a hybrid sealant technology that enables you to work faster and easier. It is recommended that you apply approximately a 15 mil coverage thickness. It remains permanently flexible and offers moisture activated curing so it does not shrink or crack like water-based duct mastics that shrink up to 60%. You can have confidence that what you apply during installation will be what is there years later. That mean no call backs to reseal problem areas. It may be used to seal seams, corners, and joints while ensuring a waterproof and airtight seal. It has excellent adhesive to all duct material surfaces, so you don't have to worry about sagging and dripping. It may even be applied on wet surfaces. It will maintain an airtight seal and is UV stable. It is paintable and offers primer-less application. It may be applied on interior and exterior duct materials and cleans up with TYTAN wipes or mineral spirits. Its solvent-free formula is Low VOC and Isocyanate free so it will protect you and the environment from unpleasant chemicals.

APPLICATIONS

Rigid Galvanized & Stainless Steel
Flexible Duct Material
Fiberglass Duct Material
Aluminum Siding & Roofing
Flat Roof Sealing
Metal Flashing Sealing

BENEFITS

No Cracking
No Shrinking
Moisture Activated Cure
Use Over 50% Less Material
15 mils Coverage
Brush or Troweled on Application
Permanently Flexible
Low Odor
Adheres to Wet Surfaces
UV Stable
High elasticity (up to 400 %)
High cracks / gaps filling capacity
Paintable
Interior & Exterior Use
Resists Mildew Growth
Impermeable Vapor Barrier

PRODUCT TECHNOLOGY:

Hybrid Mastic Sealants are the most innovative and technologically advanced mastic sealants on the market. They are environmentally friendly, low VOC, and solvent and isocyanate free. They won't shrink and can even cure under water. They combine the strength of polyurethanes with the weathering resistance of silicones. They withstand extreme conditions and adhere to all duct materials. This product is specially formulated to



resist UV and weathering conditions without cracking, yellowing, or degrading. They are paintable and will not stain. They have superior elongation and tensile strength properties for durable, flexible, tear-resistant bonds.

TECHNOLOGY LIMITATIONS:

Hybrid Mastic Sealants should not be exposed to continuous water submersion. They will not adhere to bitumen, house wrap, polyethylene, polypropylene, or polyamide. Sufficient ventilation is important during application and while curing.

APPLICATION CONDITIONS

Application temperature [°F]	41 - 122
Surface temperature [°F]	NA
Packaging temperature [°F]	41 - 95

DIRECTIONS FOR USE

Prior to application, read safety instruction presented in MSDS.

1. SURFACE PREPARATION

- For best results, surface area must be fully cured, dry, clean, and free of dust, oil, grease, debris, contaminants, or release agents that could interfere with proper adhesion. It is recommended to perform and evaluate preliminary adhesion and compatibility tests before use

2. PRODUCT PREPARATION

- Prior to application, the product should be conditioned at room temperature.

3. APPLICATION

- Material may be brushed or troweled onto the duct material seam. Apply at least 15 mil thickness and at least ½” out from the seam to ensure a proper seal. The sealant will begin to cure immediately. It cures by a moisture reaction so no material will evaporate during the curing process. Wait at least 24 hours before testing the system to ensure the sealant has cured properly. Close the lid tightly after you are finished to ensure it may be used again.

4. WORKS AFTER COMPLETION OF APPLICATION

- Remove Sealant off all tools before it cures. Use TYTAN wipes or typical solvents such as Mineral Spirits or lacquer thinner (ethyl acetate, acetone) and let dry to prevent any damage. Cured sealant can be removed with sharp tools, using caution. Remove from skin with soap and water before it cures.
- DO NOT WASH HANDS WITH SOLVENTS.



5. REMARKS / RESTRICTIONS

- Sealant is not intended for sealing joints of natural stone, such as granite, sandstone, marble, etc.
- Not suitable for bonding aquariums and terrariums.
- Sealant is not intended for applications involving structural glazing.
- It is not suitable for direct contact with food and medical uses. Sealant was not duly tested and it is not suitable for medical and pharmaceutical applications.
- Before painting it is recommended to conduct a trial test, especially in a case of solvent-based paints.
- Do not apply on PE, PP - no adhesion.
- Do not apply on sensitive metal surfaces for example copper and its alloys and silver steel of mirrors.
- Should not be used to polystyrene including foamed polystyrene - can damage the surface.
- If the surface is sensitive to solvents it is recommended to conduct tests in an inconspicuous area.

TECHNICAL DATA

Uncured - tested at 73,4°F and 50% relative humidity	Value
Density (ISO 2811-1) [g/ml]	1,45
Skin formation time [min]	60
Tack Free [min]	60
Curing rate [mm/24h]	2 mm
Flow from vertical surfaces [+122°F] (ISO 7390) [mm]	<5mm
Flow from vertical surfaces [+158°F] (ISO 7390) [mm]	NA

Cured - tested after 4 weeks at 73,4 °C and 50% relative humidity	Value
Shore A hardness (ISO 868)	30-40
Temperature resistance [°F]	-40 – 194
VOC content	20g/l
Solids content	98%
Flash point [°F]	>212

Surface	Adhesion
Aluminium	+
Galvanized sheet	+
Stainless steel	+
Ceramic tile	+



Glass	NA
Raw wood (pine)	+
Hard PVC (polyvinyl chloride)	+
PC (polycarbonate)	NA
Brick	+
Concrete	+
Plaster/Drywall	NA
Clinker tile	+
Bituminous shingless	+
Bituminous felts	+

+ Good adhesion

± Partially adhesive detachment

NA – not analyzed

All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on product hardening conditions (c.a., ambient, surface temperature, quality of used equipment and skills of person applying the product).

NORMS /ATESTS/ CERTIFICATES

- Made in a ISO 9001 Certified Facility
- CARB Compliant

TRANSPORT / STORAGE

Keep in a cool and dry place.

Shelf life: 18 months in original sealed container.

SAFETY AND HEALTH PRECAUTIONS

For detailed information find Material Safety Data Sheet available at producer upon request. All written or oral information, recommendations and instructions are given according to our best knowledge, tests and experience, in good faith and in compliance with manufacturer's principles. Each user of this material will make sure in every possible way, including verification of the final product in proper conditions, about suitability of the supplied materials for their intended purposes. The manufacturer is not liable for any losses incurred due to inaccurate or erroneous application of the manufacturer's materials.