

Physical Properties

Appearance Smooth White	Flash Point 120°F	Specific Gravity @ 77° F (25°C) 1.12
Application Temperature 40°F and rising	Flexibility (Low Temperature) Pass 1/8 inch @ -15°F	Tensile Strength Film (Initial) 940 psi
Brookfield Viscosity 42,000 cPs	Maximum VOC 550 g/l	Water Absorption 1.04
Color White	Shore A Hardness 86	Water Vapor Permeance 1.36 perms
Drying Time @ 50% R.H. 68°F (20°C) 2 hrs.	Solids By Volume 43.4%	Weight Per Gallon 9.2 - 9.6 lbs.
Elongation (Initial) 270%	Solids By Weight 52.9%	

Description

HE295 - METAL SEAM SEALER is a white, rubber based, mastic grade, elastomeric sealant designed to seal critical fasteners and lap seams on metal roofing. The high tensile strength and recovery from elongation give this product the properties needed to seal metal joints subject to movement commonly found in metal roofing. Fastener heads and side laps under 1/8" width can be brush or flow coated. Joints or laps larger than 1/8" require reinforcement between two consecutive applications with polyester reinforcement such as **Henry #250** or **Henry #195**. After curing, **HE295 - METAL SEAM SEALER** may be coated with either an acrylic or solvent-based elastomeric reflective coating or an asphalt-aluminum reflective coating for maximum service life. NOT TO BE SOLD IN SOUTHERN CALIFORNIA.

Usage

- Critical sealant component in **Henry's Metalshield® Elastomeric Roof System**
- Sealant for fasteners on metal roofing
- Sealant for side and end laps of metal building panels not exceeding a maximum 1/8" gap. If gap is over 1/8", use fabric reinforcement
- Metal flashing, copings, A/C ducts, or other metal roof surfaces subject to movement

Coverage

At 1/2" bead - 75 linear ft/gal. At 1/4" thickness, 4" wide - 20 linear ft/gal; 6" wide - 13 linear ft/gal; 12" wide - 6.5 linear ft/gal.

Surface Preparation

Roof substrates must be free of moisture at the time of application. The roof substrate must be clean and spot primed with **Henry #112 MetalShield® Rust Inhibitor Rubber Based Primer** where needed. All laps and flashings must be secured to ensure the proper adhesion and performance of this product. All loose, flaking, and poorly adhered material must be removed by wire brushing, brooming or use of a high-pressure water jet. All fasteners must be clean. Remove loose rust with a wire brush. Each fastener must be retightened and all substrates firmly secured. Fasteners must be replaced where missing or where prior movement of the old fastener has enlarged the fastener hole. In such cases, a new, over-sized fastener should be installed to effectively tighten and secure the deck to substrate. Prepare and encapsulate all fasteners with **HE295 - METAL SEAM SEALER** by brush application or use of a bulk caulking gun. Steel which has been rusted must be thoroughly cleaned of all loose and scaling material. Wash clean and allow to dry, then prime with **Henry #112 MetalShield® Rust Inhibitor Based Primer**. Non-ferrous metal such as aluminum or weathered (thirty days) galvanized steel need only be cleaned. Abrade the surface of previously applied shop coatings, high gloss, or other "high" tech coatings (such as Kynar®) which are firmly adhered, to permit bonding of seam sealer. Replace defective or missing foam closures. Replace rusted panels where panel structural integrity is reduced or questionable. New metal must be washed with 50% vinegar and water solution to remove all mill oils.

Application

Open pail and stir thoroughly.

Sealing Fasteners: Brush apply two coats to fasteners at 90° from each other to completely seal fastener and washer to roof surface or flow coat in one application from bulk caulk dispenser.

Side Laps: Brush apply two coats (4" or 6" wide) with polyester applied immediately between coats. Alternatively, laps under 1/8" width may be flow coated with one 1/2" bead from bulk caulk dispenser or spray pump with tip removed to get uniform application; polyester is not required. Seams or gaps over 1/8" width require polyester reinforcement regardless of installation method.

End laps or horizontal laps: Brush apply two coats (4" or 6" wide) with polyester applied immediately between coats. All end laps need polyester reinforcement.

Drying Time: Wash-off resistant upon application, dry to touch 2 hours, 90% cure within 1 week, full cure in 21 days. Allow 48 hours before applying a solvent based coating.

Precautions

Test for solvent compatibility with formed plastic skylight panels in a small area prior to using on panel laps, as solvent can soften or damage some types of skylights. - the compatibility with plastic panels must be determined by installer. Solvents will cause discoloration staining when in contact with asphalt based coatings or mastics. Not compatible with silicone sealants. When transporting this product, be sure the pail is secured and the lid is tight. Do not allow pail to tumble as this may loosen the lid and allow leakage to occur.

Cleanup

Remove from tools with mineral spirits. Use care when handling solvents. Clean hands with a waterless hand cleaner.

Caution

WARNING! COMBUSTIBLE! Contains petroleum distillate. Keep away from heat and flame. Do not heat container or store at temperatures greater than 110°F. CLOSE AIR INTAKES until solvents dissipate. Contains volatile solvents that might contaminate potable water. Close container after each use. Dispose of container and unused contents in accordance with Local, State and Federal regulations. **DANGER! HARMFUL OR FATAL IF SWALLOWED!** If swallowed, do not induce vomiting. CALL PHYSICIAN IMMEDIATELY! Use protective measures to avoid contact with eyes and skin. In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. In case of accidental injection by power spray equipment, GET MEDICAL ATTENTION IMMEDIATELY! Use only with adequate ventilation. Avoid breathing of vapor. If you experience eye watering, headaches or dizziness, leave area or increase fresh air or wear respirator (NIOSH/MSHA TC 23C or equal). Repeated and prolonged occupational overexposure to solvent vapor may cause permanent brain and nervous system damage, and may cause liver or kidney damage.

KEEP OUT OF REACH OF CHILDREN.

FOR EXTERIOR USE ONLY.

WARNING: This product contains detectable amounts of chemicals known to the State of California to cause cancer, and/or birth defects, or other reproductive harm.

Employers should obtain a copy of the **Material Safety Data Sheet (MSDS)** from your supplier or directly from Henry at the toll free number or website below.

Product Sizes

5 GAL/18.93L (43 lb)

Limited Warranty

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY: THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY OF ANY KIND BEYOND PRODUCT REPLACEMENT, INCLUDING FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECTS OR ANY DELAYS CAUSED BY REPLACEMENT OR OTHERWISE. THIS LIMITED WARRANTY PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT.**