



Technologies

Technical Product Bulletin

Terostat® SA-490		Product Number
		769390
Product type	Soft, Non-PVC, Non-Solvent Type Mastic Adhesive	
Substrate type	Metal, Aluminum	
Application	Anti-Flutter	

Product Technology:

Terostat SA-490 is an elastomeric based, cold applied, pumpable non PVC sealer. The material is applied between inner and out panels to prevent metal-to-metal contact and to reduce vibration. Terostat SA-490 has good adhesion on oily metal and aluminum surfaces and excellent wash resistance.

Typical Properties:

Property	Typical Results
Color	Gray
Odor	Mild
Consistency	Paste
Specific Gravity	1.40
Curing Mechanism	Heat Cure
Viscosity – Severs (s/20g) 0.104, 68F	60 – 75
Adhesion Strength, KPa @170C, for 20min. Initial Heat Aging Hot Water Aging Over bake Under bake	Approx 0.70 MPa cohesive failure Approx 0.93 MPa cohesive failure Approx 0.76 MPa cohesive failure Approx 0.82 MPa cohesive failure Approx 0.67 MPa cohesive failure
Adhesion to Oily Surface	No slippage
Rubber Properties Elongation	>150%
Rust Resistance	No corrosion
Shower Resistance	No splattering
Flash Point	>220°F
Application Temperature	Ambient

Operating Summary:



Authorized Distributor

1-800-375-0605

www.rudolphbros.com

- * It is recommended that testing be completed on substrates to be used to validate this material prior to use.
- * To obtain optimum strength the following cure conditions have proven successful:
 - >30 Minutes at 160°C Metal Temperature
 - <20 Minutes at 220°C Metal Temperature
- * Shutdown - For extended shutdown periods, greater than 8 hours, it is recommended that pressure be removed from the system to reduce possibility of caking in lines.
- * As with all materials, it is recommended that to ensure consistent material, this product be used in a First In - First Out stock rotation system.

Equipment:

- Equipment with piston or gear pumps is suitable for the application of Terostat SA-490 from drums or pails.
- It is recommended that this material be dispensed using a pumping system. This should include a high pressure ratio pump, with recommended ratio of 55:1 or greater. Care should be taken in system design to insure that flow restrictions are minimized. Flow restrictions occur when headers, hoses, and/or nozzles are too small for the application. By reducing flow restriction, it is possible that lower ratio pumps can be used.
- Application of the adhesive/sealant is carried out either manually or by an automatic application system (CNC or robot), often using heads especially designed to give particular bead characteristics. Henkel Technologies can recommend suitable suppliers of manual and automatic equipment.

Metal Surface Preparation:

- This material has been developed to adhere to oily steel substrates. The substrate should be free of contamination before material is applied.

Product Removal:

- Fresh, uncured material can be removed with the aid of Isopropyl Alcohol. Large amounts of material can be removed using towels or rags and then cleaned with Isopropyl Alcohol. Cured material can only be removed mechanically.

Health and Safety:

- Refer to MSDS for further information.
- Prior to application it is necessary to read the Safety Data Sheet for information about precautionary measures and safety recommendations.
- For chemicals exempt from compulsory labeling, the relevant precautions should always be observed.

Product Control Test Method:

- No specific test methods are recommended to be used by customer.
- Additional information on product testing is available on request.

Storage Requirements:

- Material is not frost sensitive
- Recommended Storage Temperature: 4°C - 23°C
- Material Shelf Life: 90 days

Waste Disposal:

- Refer to MSDS for further information.

Order Information:

Order Code Number	Available Packaging
769390	Please Call

For more information, please call your Sales Representative at **(248) 583-9300**.

Creation Date: 14 March 2007

Revision Date:

**Revision
Number:**

This information presented herein is our interpretation of certain test results and field experience to date. This information is not to be taken as warranty or representation for which we assume legal responsibility, nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation and verification. ©Henkel Corporation



Authorized Distributor

1-800-375-0605

www.rudolphbros.com