

Liquid Rubber To Metal Adhesive , Thermoreactive Adhesive For Silicone Rubber To Metal

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Thinkbond
- Model Number: Thinkbond 94S
- Minimum Order Quantity: None
- Price: 0-99usd
- Packaging Details: 25L, 200L
- Delivery Time: 10-15 working days
- Payment Terms: T/T
- Supply Ability: 20T/month



Product Specification

- Diluent: Methanol/ Ethanol 99° GL
- Classification: Chemical
- Type: Liquid
- Odor: Solvent
- Application: Bonding Agent For Fluorine Rubber And Silicone Rubber
- Advantage: Universal Applying, Can Be Used Various Skeletons
- Color: Clear To Light Yellow Liquid
- Packaging: 25L, 200L
- Highlight: **0.88g/cm³ adhesive to bond rubber to metal, thermoreactive glue to bond rubber to metal, rubber to metal adhesive 25L**

Product Description

Environmentally Friendly Rubber to Metal/Steel Adhesive Thinkbond 94S

Product Description:

THINKBOND 94S is a thermoreactive adhesive for bonding silicone elastomers (VMQ), PU with steel, aluminum, aramid, textile fibers and glass by vulcanization process. The textile fibers can be: Cotton, cellulose, polyamide, polyester and aramid. This adhesive is also used to promote adhesion between the elastomer and chemically treated surfaces which cannot be grit blasted such as: Phosphate steel, galvanized, chromate conversion treated and stainless, moreover ceramic engineering. THINKBOND 94S is a heavy metals free product.



Features:

Appearance : Clear to light yellow liquid.
 Non-volatile solids (2h @ 70°C) : 12-18 %
 Density at 25°C : 0,84-0.88 g/cm3
 Viscosity Brookfield at 25°C : 10 cps - #2 spindle @ 30 rpm.
 Viscosity Ford Cup # 4 at 25°C : 12 s.
 Diluents : Methanol/ Ethanol 99° GL
 Bonding Temperature Range : 150 to 200°C
 Shelf life : 2 years (closed can below 25°C).

Technical Parameters:

Technical Parameter	Value
Name	Rubber to metal adhesive
Appearance	Clear to light yellow liquid
Diluents	Methanol/ Ethanol 99° GL
Type	Liquid
Odor	Solvent
Packaging	25L, 200L
Application	Rubber to metal bonding
Shelf life	2 years
Environmentally Friendly	Yes
Dilutable	Yes
Universal Bonding Agent	Yes

Applications:

HOW TO PREPARE THE SURFACE: Prepare the metal surface properly by removing completely oil, grease and dirt. Blasting the surface with grit blasting steel so that the surface roughness is greater than 15 μm . For aluminum surfaces, we recommend the use of aluminum oxide as abrasive. Clean again the substrate to remove dust from blasting residues. THINKBOND 94S can be applied on surfaces treated by chemical processes such as galvanizing, phosphating, KTL... For the application as an adhesion promoter, we recommend to apply THINKBOND 94S above smooth and dry metal. Then you should apply the suitable adhesion system to the elastomer.

APPLICATION: Agitation: We recommend stir THINKBOND 94S before the application to avoid sedimentation.
Dilution: Dilution of the product depends on the applications methods. We recommend that dilution is always made with Methanol or Ethanol 99° GL. After dilution is recommended use all diluted product in the same day to avoid the hydrolysis reaction with possible decantation.

Dipping: For this application, we recommend diluting between 100 and 500% v/v.

Brushing: For this application, we recommend diluting between 100 and 500% v/v. Spray: For this application, we recommend diluting between 100 and 500% v/v.

Application Layer: The film obtained by applying THINKBOND 94S is extremely thin and colorless. The layer thickness must be between 1 and 4 μm . THINKBOND 94S is very reactive so we recommend that parts with THINKBOND 94S are cured the same day of the application.

Drying: Dry film between 10 and 30 minutes at room temperature. If it is necessary to reduce drying time, we recommend using forced air for 2 minutes at 65°C maximum.

For drying, do not use process temperatures above 82°C in order to avoid adhesive pre-cure. After this process, follow instructions to vulcanization.



Containers – Available in 4L, 18L and 200L UN approved containers.

Safe Handling Information – Refer to the Material Safety Data Sheet for THINKBOND 94S before using, handling or storing. This product is for commercial use only and should be applied by trained personnel.



Warehousing and logistics

It has nearly 5,000 square meters of cargo storage area. Eight employees work full-time in warehousing.





Technical support

Making adjustment in the field



Shanghai Lorechem has a professional technical service team, whose members are specialized in polymer materials engineering. They have a wealth of field testing.

Testing in the field



Shanghai LoreChem Co., Ltd. was established in 2008. It is a high-tech enterprise which is dedicated to serve releasing products which involve semi-permanent release agent, anti-sticking, surface lubrication and thermal reactive adhesive. Shanghai LoreChem has been improving product quality for 15 years. The releasing products are mainly applied in rubber, polyurethane and composite industry. The brand of Lubekote for release agent and Thinkbond for adhesive have been registered in China. Both of them are well known in the industry.

Shanghai LoreChem's business is all over the domestic and foreign high-end production enterprises by providing professional technical solutions and services. The company's long-term goal is to become one of the best suppliers of release agent in Asia.



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