

## Thermal Vulcanization Adhesive Bonding Agent For Rubber Industry Double Coat

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Thinkbond
- Model Number: xxxxx
- Minimum Order Quantity: None
- Price: 1-99 usd
- Packaging Details: 25L, 200L
- Delivery Time: 5-15 working days
- Payment Terms: T/T
- Supply Ability: 20T/week



### Product Specification

- Classification: Chemical
- Name: Bonding Agent/ Adhesive
- Brand Name: Thinkbond
- Odor: Solvent
- Place Of Origin: China
- Application: Bonding For Rubber
- Highlight: **Thermal Vulcanization Adhesive Bonding Agent , Rubber Industry Adhesive Bonding Agent, Double Coat mould release agent**

## Product Description

### Thermal Vulcanization Adhesive Bonding Agent for Rubber Industry Double Coat

#### Application Field:

Lorechem Thinkbond thermal vulcanization adhesive with high bond strength, stable quality, easy to use, and widely used in a variety of rubber and metal bonding.

#### Primer coat:

Good adhesion with the cover coat

Anti-rust performance, can protect the metal surface

Good environmental resistance

If bonding the metal and NBR, can be used without cover coat

#### Cover coat:

Can be bonded to all kinds of general rubber

Excellent adhesion to undercoat

#### Application:

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  $\mu\text{m}$ .

For aluminum surfaces we recommend the use of aluminum oxide as abrasive.

Clean again the substrate to remove dust from blasting residues.

If specified, the metal part can be phosphatized, galvanized, chromate conversion treated or KTL, before applying adhesive.

#### Applying Thinkbond:

**Agitation:** We recommend stir Thinkbond adhesive before the application to avoid settle down.

**Brushing:** Application by brushing is normally undertaken without further dilution, but for coating large areas, dilution with MEK (or the diluent blend shown below) improves flow and speed of application.

**Spraying:** We recommend an HVLP gun using 1.5 Bar air-pressure and a nozzle size of 1 -1.5mm. For this application we recommend diluting between 50 and 100% v/v.

**Roller coating:** Dilute to 35 - 45 seconds on a DIN 4 or Ford 4 cup at 25 C for most roller application processes. Dilution with a high boiling solvent like MPA may be necessary to achieve the best finish and to reduce the skinning of the bonding agent in the applicator.

**Drying:** Dry the film between 10 and 30 minutes at room temperature. If it is necessary to reduce drying time, we recommend to use forced air for 5 minutes at 100°C maximum. Do not use in this stage temperatures above 100°C to avoid adhesive pre-cure. After this process, follow to cure.

#### Thickness of application layer:

The layer thickness must be between 15 and 25  $\mu\text{m}$ .

For severe environments or dynamic fatigue applications, use  $\geq 25$  microns. Under these conditions it is possible to achieve bonds with no edge-failure after 400 hour salt-spray tests

Parts with Thinkbond adhesive already applied can be stored for 30 days prior to cure.

#### Storage:

Keep container tightly closed during storage and always keep away from heat sources. Store in an environment below 10°C increases the shelf life of the adhesive.

#### More Thinkbond adhesive for PU and rubber:

Application	Suitable code	Dispersing medium	Advantages
Bonding agent for CPU	Thinkbond 942	Solvent based	Universal bonding agent for CPU; Easy to apply; High bonding activity, Less harm to health.
Bonding agent for CPU	Thinkbond 946	Solvent based	Excellent long-term pre-curing properties; Good resistance of cold and hot water; Cost-effective.
Bonding agent for fluorine rubber & silicone rubber	Thinkbond 94S	Solvent based	Environmentally friendly; Diluted with absolute ethanol; Universal applying and can be used for various skeletons.
Bonding agent for fluorine rubber & silicone rubber	Thinkbond 93H	Solvent based	Environmentally friendly; Diluted with absolute ethanol; Universal applying for various vulcanization systems fluorine rubber.



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## 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.



15901891635



export@lorechem.com



shlorechem.com

Floor 2-3, Building 20, Hongxing International Plaza, Lane 1818, Lianhang Road, Pujiang, Shanghai