REGLIN RUBBER

# TRS 4004 COLD VULCANISING ADHESIVE

Two Part Rubber Cement | Free from Chlorinated Solvents


## FEATURES

TRS 4004 Cold Vulcanising Adhesive is a Two-Part Poly-chloroprene based rubber cement, designed for cold bonding rubber. It is specifically designed for bonding rubber to rubber, metal or fabric but can be used to bond rubber to a variety of different surfaces.

TRS 4004 is free from chlorinated solvents.

It is primarily used for cold splicing or repairing conveyor belts or for the cold bonding of wear and corrosion protection rubber linings and pulley lagging. To achieve ultimate adhesion when bonding with TRS 4004, it is recommended to use products with the Reglin CN Bonding Layer.

The CN bonding layer and TRS adhesive system are extremely flexible and allow for good bond strength to be achieved even in adverse conditions often encountered when the application is occurring on site on operational equipment.

## TECHNICAL INFORMATION^

| | |
|---|---|
| Colour | Dark Grey |
| Shelf Life | (Unmixed adhesive) 2 years |
| Average Pot Life | (Mixed adhesive) 4 hour |

## WORKING TEMPERATURE / ADHESIVE OPEN TIME

The open time of mixed adhesive is dependent on ambient temperature and humidity. Typical open times are as follows:

| | | |
|---|---|---|
| Cold/Normal Temps | 15-30°C | 10-25mins |
| Hot Temps | >30°C | 10-20mins |

## RECOMMENDED HARDENER RATIO

| | |
|---|---|
| 4-5% | TRS Hardener 1000E 30g bottle / 750ml tin |
| 4-5% | TRS Hardener 1000E 150g bottle / 5lt can |

## ESTIMATED DRYING TIMES

| | | |
|---|---|---|
| Rubber | First Coat (dry) | 40-60min |
| | Second Coat (tacky) | 10-20mins |
| Fabric | First Coat (dry) | 40-60mins |
| | Second Coat (tacky) | 10-20mins |
| Metal* | First Coat (dry) | 40-60mins |
| | Second Coat (tacky) | 10-20mins |
| CN Bonding Layer | Single Coat (tacky) | 10-20mins |

***Please note:** For Metal surfaces TRS Metal Primer drying time is 1-2 hours.

## APPLICATIONS

TRS 4004 Cold Vulcanising Adhesive has been designed primarily for use when bonding rubber to other rubber surfaces or to steel surfaces of equipment. It is suitable for use to bond rubber in variety of applications including:

- Rubber lining
- Rubber backed ceramic lining
- Pulley lagging
- Rubber conveyor belt splicing and repairs
- Bonding of rubber conveyor belt cleats and sidewalls
- Variety of bonding applications

**^ Please note:** Information given is under normal storage conditions. Shelf Life and Average Pot Life will be reduced at higher ambient temperatures.

# TRS 4004 COLD VULCANISING ADHESIVE

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## AVAILABLE SIZES

| | |
|---|---|
| **STANDARD TIN** | 750ml (10 tins / carton)<br>includes 30g TRS hardener E per tin |
| **STANDARD CAN** | 5lt (6 cans / carton)<br>includes 150g TRS hardener E per can |

## APPLICATION DATA

**Preparation of adhesive for use:**

TRS 4004 must be mixed with TRS1000E as per Hardener Ratio. The adhesive and hardener must be well mixed, ensuring all solids are fully dispersed.

Ensure adhesive pot life is not exceeded. If adhesive begins to thicken, discontinue use.

**Surface Preparation and Bonding Instructions:**

**RUBBER**

- Buff the rubber surface using rough tools until you get a consistently rough finish, ensuring the rubber does not get scorched.
- Ensure the buffed rubber surface is clean and free from contaminants.
- Apply first coat of mixed adhesive to buffed rubber surface and allow to completely dry.
- Apply second coat of mixed adhesive and allow to dry until tacky.
- Put bonding surfaces together and stitch down well, ensuring complete coverage.

**FABRIC**

- Ensure the fabric surface is clean and free from contaminants.
- Apply first coat of mixed adhesive to fabric surface and allow to completely dry.
- Apply second coat of mixed adhesive and allow to dry until tacky.
- Put bonding surfaces together and stitch down well, ensuring complete coverage.

**METAL**

- All metal surfaces are to be grit blasted to AS1627.4 Class 2.5.
- Ensure the freshly blasted surface is clean and free from contaminants.
- Apply a single coat of TRS Metal Primer and allow to completely dry.
- Apply first coat of mixed adhesive to primed metal surface and allow to completely dry.
- Apply second coat of mixed adhesive and allow to dry until tacky.
- Put bonding surfaces together and stitch down well, ensuring complete coverage.

**CN BONDING LAYER**

- Ensure the CN Bonding layer surface is clean and free from contaminants.
- Apply a single coat of mixed adhesive to the CN Bonding layer surface and allow to dry until tacky.
- Put bonding surfaces together and stitch down well, ensuring complete coverage.