Service Materials

ContiTech Service Materials

For more then 35 years, ContiTech has been the leading supplier of repair and splicing materials for conveyor systems worldwide.

ContiTech service materials are the optimal solution for your conveyor repair needs, ensuring reduced downtime and maximised conveyor efficiency with easy to use, high quality and functional products for conveyor belts and associated rubber materials.

Preform™ Splice Technology from Continental ContiTech is the next great step forward in steel cord splicing. Our patented Preform™ system provides our customers with high strength, longer life splices which save time, money and improve performance.

CONTI SECUR® Adhesives and Solutions

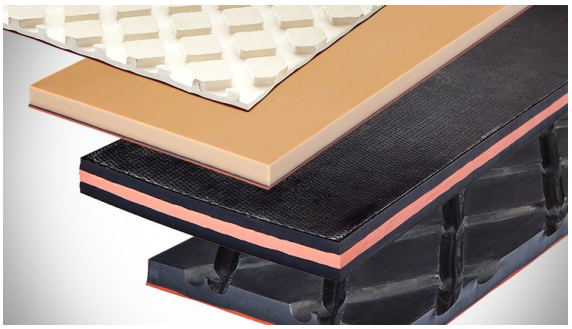
- Conti Secur®
- Conti Secur® PREMIUM
- ContiPlus® Metal Primer
- Conti Cleaning Solution CCS

CONREMA® Repair Material

- CONREMA® Repair Strip
- CONREMA® Repair Strip with fabric reinforcement
- CONREMA® Repair Sheets
- CONREMA® Filler Rubber
- CONREMA® Repair Fabric EP 160

CORREX® Lagging Materials

- CORREX® Large Diamond
- CORREX® Mini Diamond
- CORREX® Ceramic
- CORREX® Polyurethane



Preform™ Splicing and Hot Repair Materials

- Preform™ splice kits for steel cord belts
- Standard splice kits for steel cord and textile belts
- Uncured Insulation and Cover Gum
- Hot repair kits

Continental ContiTech

Rubber Sheet

ContiTech Lining Materials

At ContiTech, we expect high performance in the harshest of operational environments.

As a leading rubber and plastics supplier with 140 years experience, we understand not all rubbers are the same.

Our extensive research and development into rubber and rubber processing, whilst leveraging our technical synergies ensures we remain a leading development partner with innovative technologies.

Our range of premium lining materials exceeds the expectations of our customers.

- CORREX® Lining Materials
- General Purpose Lining Materials
- Uncured Sheet Rubber

CORREX® Lining Materials

Our premium range of sheet rubber product, with a wide range of applications in both mining and industrial sectors, CORREX-Lining materials reduce down time and enhance productivity.

When it comes to protecting your asset in the world's harshest environments, ask about our range of CORREX® lining materials today.

Available 40, 50, 60 & 90 Duro, thicknesses of 4mm to 40mm and widths up to 2000mm wide;

- CORREX® Beige
- CORREX® Soft
- CORREX® Extra
- CORREX® Hard

General Purpose Lining Materials

An all round performance range of lining materials, ideal for a wide range of applications, from wet slurry abrasion to heavy rock and impact.

When a durable solution is required, consider ContiTech general purpose range of sheet rubber products.

Available in 38 and 60 Duro in rolls size of 1500mm and 2000mm Thicknesses of 1.5mm, 3mm, 6mm, 10mm, 12mm, 16mm, 20 and 25mm.

Uncured Sheet Rubber

Our customers expect unparalleled performance in asset protection.

As the leading supplier of uncured sheet rubber to the Australia mining and industrial lining market, ContiTech understand the expectations of our customers.

From material with excellent physical properties, low shrinkage and reduced wastage, to our wide range compounds, widths and thicknesses.

ContiTech will exceed your expectations in quality, durability and total life cycle cost.

Conti Secur® BFA – instructions for rubber-metal bonding

Conti Secur® BFA is a two component adhesive system for cold bonding applications. It is designed specifically for cold splicing and cold repair of conveyor belts, but also for all areas of wear and corrosion protection. Continual high adhesion strength is achieved, even for dynamic demands.

Storage:	At room temperature. If the adhesive is stored at temperatures of 6°C (43°F) or colder, the chloroprene rubber compound crystallizes. This leads to a change in viscosity. The adhesive becomes tacky. In this condition, because an optimum adhesion cannot be achieved, the solution cannot be used. However, after warming up the adhesive to room temperature, the product can be used again as described below.
Use:	Above 10°C (50°F).
Shelf life:	At least 24 months after date of production.
Heat resistance:	≤ 50°C (122°F), for short-term up to max. 90°C (194°F).

Preparation of Conti Secur® BFA

1. Mix Conti Secur® BFA with Activator RE in a mixing ratio of 20:1.

2. Obtain flat bottom, square edged rectangular stirrer made from wood or plastic (Note: not metal, not round). Insert stirrer squarely, ensuring flat edge is pressed firmly against the bottom of the can and the stirrer is pushed into the corner of the can. While pressing down firmly, completely scrape the can's bottom once.

3. Lift spatula out and inspect. There will be a large build up of solids. The buildup is a critical component of the adhesive.

Note: Do not discard!
Do not scrape off on the edge of the can!

4. Reinsert the stirrer into the can. Repeat scraping the entire bottom of the can two more times and stir using a fast up-down corkscrew motion until all solids have dissolved off the end of the stick. Product is now ready to use.
Note: Stir again before each use.

Preparation of the material

5. The surfaces of the materials that are to be joined should preferably be at room temperature. If the temperature is too low, we recommend warming up the materials.

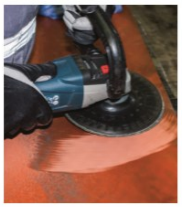
6. Etch the metal surface by sand-blasting or with the aid of an angle grinder. Remove all dust dry.

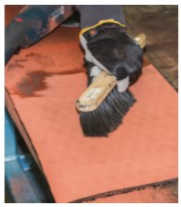
Note: Use a grinder grit size 16 – 24.
Minimum speed: 800 rpm
Maximum speed: 2000 rpm

7. Clean the surface of the metal part using Conti Cleaning Solution.

8. **a)** In case the contact layer of the rubber is fresh, wash the material with Conti Cleaning Solution.

b) In case the contact layer of the rubber is dry or the rubber has no contact layer, buff the surface of the rubber using a grinder. Remove all dust dry.





Note: Use a grinder grit size 40 – 60.
Minimum speed: 800 rpm
Maximum speed: 2000 rpm

9. Cut the rubber to size

Bonding

10. Thoroughly stir metal primer ContiPlus® and apply one thin coat to the metal surface using a brush or a small nap roller.

Drying time: At least 30 minutes at room temperature. 60 minutes are suggested for optimal adhesion.
Note: Coated parts can be stored at room temperature for up to 24 hours when covered with plastic foil.

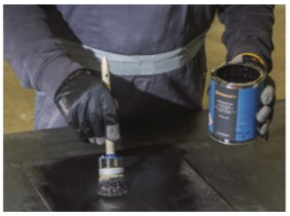
11. Apply the first thin coat of Conti Secur® BFA to the metal surface. The coat should be very thin.

Drying time: At least 30 minutes at room temperature. 60 minutes are suggested for optimal adhesion.
Check with the back of the hand.
Back of the hand test: At the optimum drying time the adhesive is tacky but does not transfer to the back of your hand. Rubber coated fabric gloves work best.
Caution: Do not use a brush with short bristles, as aggressive brushing could remove the ContiPlus® coating.

12. Apply the first thin coat of Conti Secur® BFA to the rubber surface.

Drying time: At least 30 minutes at room temperature. 60 minutes are suggested for optimal adhesion.
Check with the back of the hand.
Note: Use a brush with short bristles.
Caution: At room temperature the maximum drying time should not exceed 12 hours.
Note: If the contact layer of the rubber is fresh, one coat of Conti Secur® BFA is usually sufficient. In this event, please skip step 12 for the contact layer and prepare the contact layer together with the second coat of the base material (step 13).

13. Apply the second thin coat of Conti Secur® BFA to the metal surface and the rubber surface.

Drying time: Maximum of 10 minutes at room temperature. Check with the back of the hand.
Note: A third application of Conti Secur® BFA may be required if the surface of the rubber is particularly rough. In this event, repeat the instructions from step 12 before continuing with this step 13.

14. With a hand-held roller or a dead-blow hammer, press from the center to the edges. The required strength of contact pressure depends on the properties of the surfaces.


Note: Brief contact pressure is sufficient.

15. The above prepared material can be used after 6 hours. Optimum adhesion strength is attained after 24 hours.