Redco™ Safeguard™ is a lining material made from Premium Quality Natural Rubber that provides exceptional surface protection against corrosion and outstanding anti-abrasion properties. Redco™ Safeguard™ is the optimal choice in the mining, cement, concrete and aggregate markets, wherever abrasion and wear resistance is critical.

- Excellent mechanical properties such as tensile strength, elasticity (rebound) and tear resistance
- Good resistance to acids, bases and salts
- Fabric reinforcement available for aggressive tear resistance

**Grades Available:**

**Redco™ Safeguard TAN**
- General Purpose
- "Universal Lining" Applications
- Superior Tensile
- Cut, Tear & Abrasion Resistance
- Rebound Elasticity
- With manual prep = good adhesion to metal and fabric.

**Redco™ Safeguard ORANGE**
- Abrasion & Wear Resistant
- UV Stabilized Outdoors
- Excellent Wet/Dry Applications
- Superior Elasticity & Tear Resistance
- Great cut-resistance from sharp materials
- Available w/ bonding layer "prep-back" for easy bonding with Redco™ Strongbond (Cold Vulcanizing Adhesive)

**Redco™ Safeguard RED**
- Abrasion Resistant
- Superior to other Premium Red Gum Rubbers
- UV Stabilized Outdoors
- Excellent Wet/Dry, excels at slurry and sliding with fine particles such as sand
- Extraordinary Elasticity & Stretch
- Excellent Cut & Tear Resistance
- Available w/ bonding layer "prep-back" for easy bonding with Redco™ Strongbond (Cold Vulcanizing Adhesive)

**Applications:**

- Cement sleeves and chute liners
- Grommets
- Squeegees & wipers
- Trommel liners
- Mining wear applications
- Conveyor skirts & aprons
- Tank, chute & pipe liners
- Cyclones, classifiers & concentrators
- Wash plant liners
- Gaskets

**Colors:**
- Tan, Orange & Red

**Durometer:** 38A-45A

**Shapes:** Sheet, strips, profiles, and cut-to-size

**Sizes:** 1/16” through 1” thick 48” wide rolls standard
## PREMIUM GRADE WEAR RESISTANT RUBBER

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>SPECIFICATION</th>
<th>UNIT</th>
<th>TAN</th>
<th>RED</th>
<th>ORANGE</th>
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<tbody>
<tr>
<td>Density</td>
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<td>g/cc</td>
<td>1.05</td>
<td>.97</td>
<td>1.03</td>
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<tr>
<td>Durometer (Hardness)</td>
<td>ASTM D 2240</td>
<td>Shore A</td>
<td>40-45</td>
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<td>45</td>
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<tr>
<td>Tensile Strength</td>
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<td>PSI</td>
<td>2,900</td>
<td>3,625</td>
<td>2,050</td>
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<td>Ultimate Elongation</td>
<td>ASTM D 412</td>
<td>%</td>
<td>550</td>
<td>600</td>
<td>500</td>
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<tr>
<td>Temp Range</td>
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<td>°C (°F)</td>
<td>-40 to +83 (-40 to +181)</td>
<td>-40 to +80 (-40 to +176)</td>
<td>-25 to +80 (-13 to +176)</td>
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<td>Compression Set</td>
<td>ASTM D 395</td>
<td>%</td>
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<td>29.4</td>
<td>26.6</td>
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<td>Tear Strength</td>
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<td>lbs/in</td>
<td>280</td>
<td>291</td>
<td>285</td>
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</tbody>
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## CHEMICAL RESISTANCE

### COMPOUND | RESULT
---|---
Acid | Very Good
Alkali | Very Good
Gas & Oil | Poor
Aromatic Hydrocarbons | Poor
Ketones | Poor
Chlorinated Solvent | Poor
Steam | Not Recommended
Oxidation | Good (Tan | Not Recommended)
UV | Good (Tan | Not Recommended)
Ozone | Good (Tan | Not Recommended)

ASK US about our custom cutting, stamping and fabricating services.

All sheet rubber products are available in many formats, including:

- Full rolls
- Blocks
- Sheets
- Custom-fabricated
- Cut-to-size strips
- Die-cut parts

Redwood Plastics and Rubber offers a quick-ship process for in-stock sheet orders in as little as 24 hours if required.