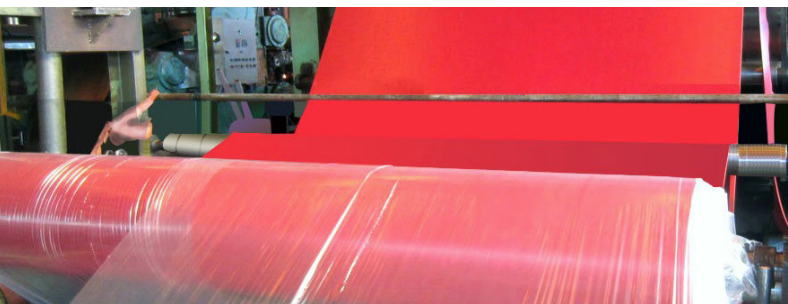


RUBBASTAR® ABRASION SHEETING

A COMPREHENSIVE GUIDE ON THE FEATURES
AND BENEFITS OF RUBBASTAR® SHEETING



ISO
9001 : 2015
REGISTERED



Manufacturers · Designers · Distributors

Experts in
Rubber

RUBBASTAR PREMIUM ABRASION RESISTANT SHEETING

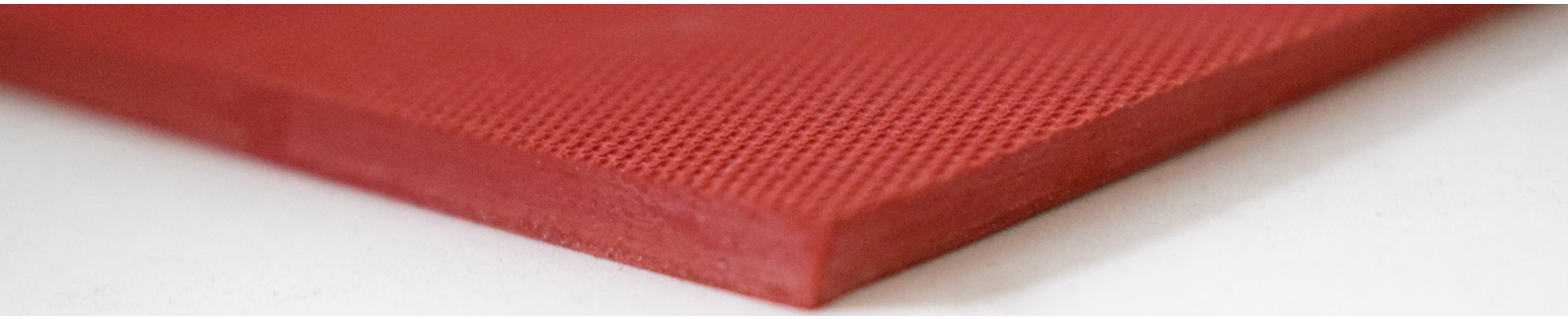
The Rubber Company supply a range of high-quality abrasion resistant rubber sheeting including RubbaStar® and RubbaStar® premium. We manufacture this range from 95% natural rubber, in order to ensure that our products provide excellent strength and durability. Aside from offering excellent abrasion resistance, our RubbaStar® products also feature good resistance to tearing as well as stretching. This enables you to use our sheeting in the most demanding applications without fear of warping or deterioration. We can supply RubbaStar® in a variety of standard thicknesses and roll lengths. We can also manufacture the sheeting into a variety of formats such as gaskets to suit your exact requirements.

- Highly durable compound
- Excellent abrasion resistance
- Very good load bearing properties
- Good resistance to weathering deterioration
- High tensile strength
- Highly elastic
- Self-cleaning capability
- Resistant to oil & grease deterioration
- Available in a variety of sizes and formats



Physical Data & Resistance

Properties	Test Method	Value
Tensile Strength:	ASTM D412	26 Mpa
Elongation At Break:	ASTM D412	845%
Abrasion Resistance:	DIN 53516	58mm ³
Hardness (Shore A):	ASTM D2240	40 ± 5
Specific Gravity:	ASTM D1298	1.05 ± 0.5
Tear Strength:	ASTM D624	133.25 Nmm ⁻¹
Heat Resistance:	ASTM D573 70hr @ 70 ° C	No visual damage
Compression Set:	ASTM D395 (Method A)	2%
Slip Resistance:	ASTM 303-83	36 BPN



Superior Abrasion Resistance

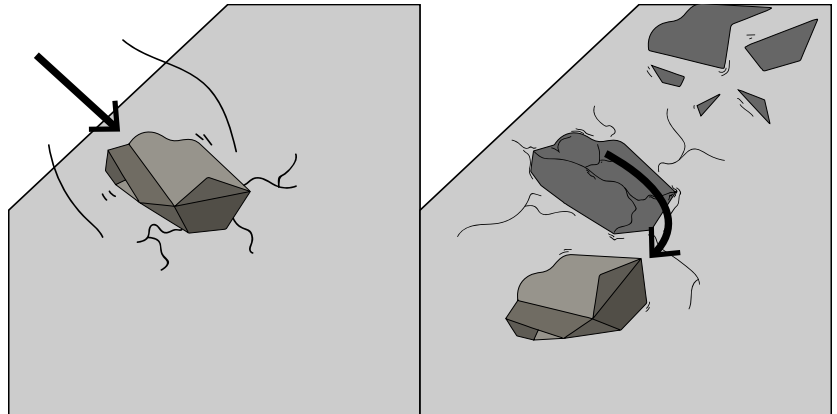
Non-Protected Surface

A hard, abrasive object such as a stone striking a non-elastic surface such as metal or concrete. The rigidity of the surface is unable to absorb the kinetic energy of the impact. This can lead to fractures and even breakages.

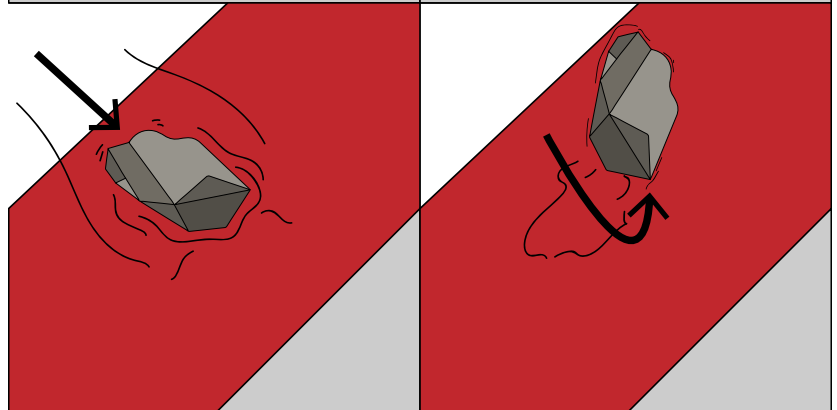
RubbaStar® Protected Surface

A hard, abrasive object such as a stone striking a surface protected with our abrasion resistant sheeting. The rubber compresses upon impact to absorb the kinetic energy of the impact. The rubber then returns to its original shape and pushes the impacting object away from the surface.

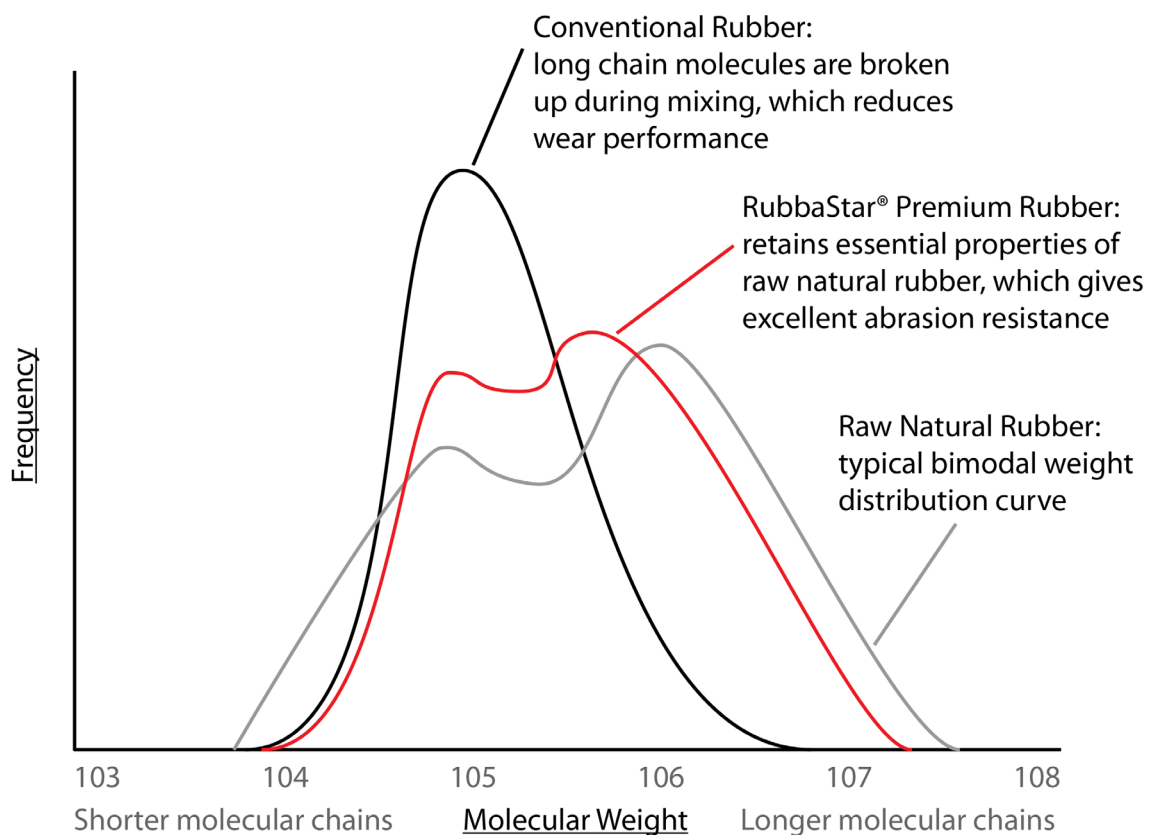
Surface Damage Without RubbaStar®



Surface Protection With RubbaStar®



A VISUAL COMPARISON AGAINST OTHER RUBBER COMPOUNDS



There are many different types of rubber compounds, with each offering different properties to suit different applications. However, only abrasion resistant rubber offers similar wear resistant properties to raw natural rubber.

Other rubber types combine additives with the raw material while mixing the compound. The mixing process breaks up the long molecular chains in the rubber, which greatly reduces the strength and durability of the compound.

We use a liquid compounding method in order to produce our RubbaStar® sheets. This method gently blends the materials, which causes minimal damage to the micro-structure of the rubber. This gives you a material with far superior durability, strength as well as resistance.

AVAILABLE IN A WIDE VARIETY OF FORMATS TO SUIT YOU

Common RubbaStar® Formats



We work with a variety of different industries who want the advantages that abrasion resistant rubber offers. This has given us crucial knowledge in regards to the common uses for this product, as well as any potential manufacturing limitations. We can supply this product in a variety of thicknesses ranging from 1.5mm to 25mm as standard, in either 20m, 10m or 5m lengths. We also offer a bespoke manufacturing service, incorporating the RubbaStar® material in a variety of formats to match your exact requirements. Aside from sheeting, some common RubbaStar® formats are: Gaskets, Strips, Seals, & Lining to name but a few.

Popular Applications & Uses



The excellent durability and resistance that our RubbaStar® sheeting provides, make it the ideal choice for a number of physically demanding applications. We find that this product is particularly popular within the construction industries as it is able to protect against damage from rock, wood, metal as well as fine particle materials.

We regularly supply our abrasion resistant sheeting for use in: hoppers, chutes, operating cyclones, hydrocyclones, vibrating lines, extraction pump bodies, tanks as well as silos to name a few.

ALTERNATIVE SAFETY PRODUCTS WE CAN PRODUCE

Aside from our RubbaStar® Sheeting we can manufacture and supply a diverse range of safety sheeting and extrusion products to suit almost any application. We always manufacture our products using the highest quality compounds available in order to ensure that you get a product, which is fit for purpose and made to last.

With over 75 years of experience, we have a broad knowledge of all things rubber. However, we also understand that every application is different and we will work with you to ensure that you get the perfect product to match your unique requirements.

Some of our most popular safety extrusion and sheeting products are:

- **D Section Buffers**
- **Door & Window Seals**
- **Anti-Vibration Sheeting**
- **Electrical Safety Matting**
- **Food Contact Safe Sheeting**
- **Rubber Tubing**
- **Rubber Cable Protectors**

Don't hesitate to contact us for:

Rubber Extrusion Poster



Materials Sample Card - Gaskets, Seals, Washer, Sheet & Strip



Experts in Rubber

Safety Matting
Extrusions
Fendering
Fabrications
Mouldings
Sheeting
Sponge & Foam
Gaskets & Seals
Hose & Ducting
Noise Insulation
Custom Parts

Call us now: +44 (0) 1794 513 184



Working with companies
worldwide



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