



WEAR PROTECTION

THE UPGRADE FOR THE DURABILITY OF OUR PRODUCTS

Wear protection increases wear resistance and thus prolongs the service life of piping components.

When conveying hard and abrasive bulk materials - for example as sand, gravel, grain or sugar - pipelines are subject to high wear. As a result, expensive repairs, downtime and stoppages can occur, causing considerable damage.

To prevent this and increase the efficiency of industrial plants, we offer our products at 2 mm with a wear protection lining.

Wear protection liners consist of special polyurethane plates fixed to the inner walls of the piping components. The material is based on a polyether with extremely high elasticity and tear resistance. Positive properties are also suitability for food use and resistance against acids and alkalis in low concentrations.

We can supply you components with wear protection with lips for clamping ring connections (DN 150 - 400) and also with loose and welded flanges for flange connections (DN 150 - 500).

Due to our modular system, pipe components can be exchanged or replaced without any problems. Connecting components, accessories and assembly materials can be found in our main catalogue.

RHINO HYDE[®] ST RED



Material: Polyurethan (with cotton backing)

Material thickness: 5 mm

Shore A hardness: 85 ± 5

Temperature range: - 30°C / + 80°C

Version: screwed

Food grade: FDA, EU 10/2011, EG 1935/2004

Electrostatic conductivity: no

Characteristics: extremely high elasticity and tear resistance, resistant against acids and alkalis in low concentrations

The behavior of this material corresponds to the blue Rhino Hyde standard material.

1 materials

piping components: mild steel 1.0330 / 1.0338 | stainless steel 1.4301
flanges: mild steel 1.0038 | stainless steel 1.4301

2 materials surfaces

powder coated steel: colour RAL 7032, smooth, silk gloss, food-safe, electrostatically conductive

Other colours and qualities on request.

Costs for different powder coating:

gross price of the components to be coated + 10% (subject to the availability of the colour), exceptions to this are gates and valves, for which the extra costs amount 25,00 € per component without drive and 40,00 € per component with drive.

In addition, we charge one-off setup costs of 45,00 € net per paint application.

galvanized steel: hot-dip galvanizing according to DIN EN ISO 1461 or electrogalvanizing.

In case of hot-dip galvanizing, color and structural irregularities may occur on the surface.

shot-blasted stainless steel: surface roughness R^a 1,3 µm

3 sealings

for clamping ring connections: seal rings

for loose flange connections: seal rings

for welded flange connections: flat seals

4 tolerances

pipe diameter and roundness: DIN EN 10296-1

lips at clamping ring piping: 6 mm ± 1 mm,

at loose flange piping > DN 350: 10 mm ± 1 mm

flanges: drilled according to DIN 24154 R2

Welded flanges are welded „axis-free“.

lengths and angular dimensions: DIN ISO 2768 Teil 1, tolerance class v

exception: segments and transition pieces with inclination, angular tolerance ± 1°

The sheet thickness may vary with grinded components.