

APSOcork HWR (High Wear Resistant) PU-bounded coating



In addition to standard coated belts, Angst+Pfister also offers customized solutions for power transmission, such as perfectly engineered productions with extremely high quality in cooperation with our customers, no matter how complex the application might be.

Our innovative APSoCork HWR meets most of the requirements for the high demanding operations in automation technology in glass, ceramics or metal processing industries. Having the right coating material on the timing belts, will definitely make the difference in applications such as grinding, cutting, polishing, tempering, edge processing or general conveying of sharp-edge products.

The new cork-rubber mix is a PU-bounded coating that combines flexibility, chemical resistance and abrasion resistance from rubber with damping-, cutting- and self-sealing capabilities from synthetic cork. Additionally, this hybrid coating shows no water absorption and high temperatures withstand.

Other characteristics:

- Color: brown-black
- Standard thickness available from 1 mm to 6 mm
- Hardness: 60° Shore A
- Homogeneous surface
- Good temperature resistance for warm transport goods: -20°C to +100°C (120°C peak)
- Good abrasion resistance and cutting resistance versus sharp products (metal, glass); self-sealing ability versus small cuts, holes or damages
- Very flexible, no risk of fracture and compressible; stability of bonding between coating and timing belts also with high side forces or small bending diameters
- Good damping ability; shock absorbing in thickness >4mm
- Good resistance against simple oils and grease, acids and ozone; limited resistance to petrol
- No water absorption

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APSOcork HWR is more shock absorbent and cut resistant than pure PU or PVC layers and it is more flexible than other high temperature resistant coatings. Therefore our new cork-rubber material is the best combination of many advantages, united in one coating.

Processing options:

- Transport of glass and sharp metals for cut and abrasion resistance
- Light weight
- Cost-effective
- Stability of bonding
- Small bending diameter
- Self-sealing
- Lifetime increase
- Not water absorbent
- Absorbs the temperature of the belt
- Synthetic cork for floor and flat sealing applications
- High coefficient of friction

The selection of the correct coating depends on many different factors such as the properties of the transported item and the required grip. High friction for a good carrying effect, low friction to reduce the power transmission performance, soft for sensitive items or hard for sharp-edged items are some of the determining factors.



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