

ABRASION-RESISTANT

BETONCORD/10

Wear-resistant concrete injector hose, conductive, 10 bar PN, abrasion 70 mm³



BETONCORD/10 is a specialised concrete injector hose in NR/SBR with PN 10 bar working pressure and 30 bar burst pressure. Wear resistance is confirmed with abrasion value 70 mm³ per ISO 4649 - a heavy-duty rating that makes the hose well-suited to wet concrete, mortar and other abrasive liquids. Both inner tube and outer coating are electrically conductive (below 10⁶ ohm), providing ATEX-related safety advantages in concrete pump and injector systems. Typically used for shotcrete tunnel construction, concrete pumping at construction sites and mortar distribution in renovation.

R: <10⁶ Ω

Temp: -30 °C to 80 °C

✓ Cut to length

APPLICATIONS

- Shotcrete (sprayed concrete) in tunnel construction and mining
- Concrete pumping at construction sites and infrastructure projects
- Mortar distribution for renovation and facade work
- Abrasive liquid media where 70 mm³ abrasion resistance is required
- Pump and injector systems where a conductive wall eliminates static spark risk
- Heavy-duty industrial applications with wet abrasive transport

Technical specifications

Material	NR/SBR (natural rubber/styrene-butadiene rubber) both inner and outer
Colour	black
Wall construction	Smooth inner NR/SBR tube, wrapped outer NR/SBR coating with textile reinforcement
Spiral material	Tekstil-forstaerkning (textile plies)
Temperature range	-30 °C – 80 °C
Short-term peak	80 °C
Electrical resistance	<10 ⁶ Ω
Cut to length	Yes
Manufacturer SKU	3521

Standards and compliance

ISO 4649 (abrasion test), EN ISO 1307:2008, REACH, RoHS

Dimensions and ordering

The hose is supplied in 2 standard sizes from inner Ø 60.0 mm to 63.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Burst [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
60	80	10	10	30	600	40	2.68	20, 40	3521060000
63	90	13.5	10	30	650	40	3.93	40	3521063090

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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