




Pumping concrete with a fresh drive

The **design and performance upgrade** of the Semperit concrete pump hose is another important milestone in expanding our leading market position in abrasion resistant hoses. The new versions of our **SM170** and **SM200 steel-wire reinforced hoses** are specially developed for **conveying** and **pumping concrete** in various applications like trailer- or truck-mounted pumps, spray-robots in tunnel and mining industry. Due to the **abrasion resistant** tube they are also suitable for conveying other highly abrasive media such as **cement** and **plaster**.

A **long service life** characterizes our new **premium** concrete pump hoses. At the same time, they are very **flexible** and **easy to handle** for **safe operations**. Based on a special design the hoses have a good **kink resistance** and are suitable for **reverse pumping** which provides **easy cleaning**.

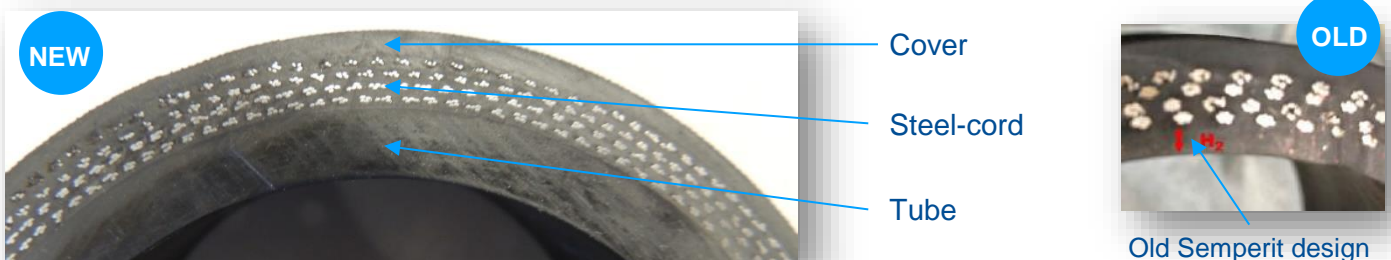
The most important product enhancements can be summarized as follows:



- UPGRADED ABRASION RESISTANT TUBE (APPX. 50mm³) FOR LONGER LIFE TIME
- HIGH QUALITY REINFORCEMENT LAYERS FOR ROBUST AND SAFE OPERATION
- COMPLETE HOSE RANGE FROM 2" TO 6"
- 2 VERSIONS AVAILABLE: SM170 AND SM200 TO SATISFY EVEN HIGHEST PRESSURE REQUIREMENTS
- BEST PRICE PERFORMANCE RATIO

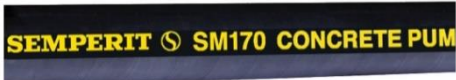

The new design

The thickness of the abrasion-resistant tube has been further increased by using high-quality steel reinforcement. This defines the resistant and **compact structure** of the SM170 and SM200. The improved tube compound provides an **abrasion resistance of 50mm³**.



Hose types

As our customer you can choose between two different hose designs for your specific requirements, matching the following parameters:

	Per- formance solution	SM170	SM200	Premium solution
Temperature range		-35°C / +80°C		
Max. Working pressure (bar)		85	100	
Burst pressure (bar)		170	200	
Tube		NR/SBR/BR, black, smooth, antistatic, abrasion resistant	NR/SBR/BR, black, smooth, antistatic, abrasion resistant	
Reinforcement		steel wire, wrapped	steel wire, wrapped	
Cover		SBR, black, resistant to ozone and weather, antistatic, cloth impression	SBR, black, resistant to ozone and weather, antistatic, cloth impression	
Safety factor		2:1		
Standard		DIN EN12001:2011		
Identification		Yellow Mylar tape	Red Mylar tape	
				

Applications

Concrete pumping is standard practice in the building industry as placing the concrete is done much faster, safer, and more effective with less labor than any other method. Semperit offers high quality concrete pumping hoses for the main applications:

- ➔ **Pumping / conveying** of wet, highly abrasive materials (e.g. concrete, mortar, cement from trailer- or truck-mounted pumps)
- ➔ **Concrete Placement and Piling** in the construction/building industry (e.g. house foundations, swimming pools, etc.)
- ➔ **Automatic machine spraying** for primarily tunnel and mining industry (e.g. wall stabilization)



How to connect?

Semperit recommends assembling concrete pumping hoses with high quality **VICTAULIC** system couplings by using state-of-the-art assembling equipment. It provides a secure connection of the fittings without welding or crimping.



Note that Semperit offers the hoses and therefore no couplings or assemblies are available!

Order & Delivery

Semperit offers the SM170 and SM200 concrete pump hose in the **full dimension range** from **2" to 6"**. Samples of the SM170 are already available on stock and can be requested via our customer service team.

Available lengths:

- As standard in full coils of 40m or 100ft
- Cut pieces available on request

Please get in touch with our [customer service team](#) for more information and expert advice for placing your order now. Further technical details are described in the respective datasheet on our [website](#).

SEMPERIT

SM170

Betonpumpen Stahlrohr - 85 bar - EN 12001

Anwendung: Spezial entwickelter Schlauch für die industrielle Förderung von Beton mittels Betonpumpen.

Marking: Hält Lebensdauer durch abriebfeste Seele. Abrieb der Seele durchschnittlich 50 mm/100m nach DIN ISO 4439:2020.

Temperaturbereich: -25°C / +80°C

Schlauchfaktor: 2:1

Seile: NBR/EPDM, schwarz, ultrahoch, antistatisch, glatt.

Einlage: Stahl gewalzt.

Dicke: 125, schwarz, innen- und schwingungsbedingte, antistatisch, Druckempfindlich.

Kennzeichnung: farblich ablesbar (gelb, gelbe Schrift).

Artikelnummer	Seil Ø in mm	Seil Ø in Zoll	Seil Ø in mm	Seil Ø in Zoll	Seil Ø in mm	Seil Ø in Zoll	Seil Ø in mm	Seil Ø in Zoll	Seil Ø in mm	Seil Ø in Zoll
SM170 2" x 100m	50.8	2"	50.8	2"	50.8	2"	50.8	2"	50.8	2"
SM170 2" x 40m	50.8	2"	50.8	2"	50.8	2"	50.8	2"	50.8	2"
SM170 3" x 100m	76.2	3"	76.2	3"	76.2	3"	76.2	3"	76.2	3"
SM170 3" x 40m	76.2	3"	76.2	3"	76.2	3"	76.2	3"	76.2	3"
SM170 4" x 100m	101.6	4"	101.6	4"	101.6	4"	101.6	4"	101.6	4"
SM170 4" x 40m	101.6	4"	101.6	4"	101.6	4"	101.6	4"	101.6	4"

**Genauere Angaben in der Tabelle sind Werte ohne mit Beton gefüllten Schlauch.*

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