

Green or Blue

Our new chemical hose with UHMWPE liner

In addition to our successfully positioned Semperit **chemical hoses** FLEXICHEM UPEL and FLEXICHEM Mobil, we are expanding the corresponding product range with further industrial hose types. The new Semperit chemical hoses are available with a **UHMWPE inner liner** in **black** or **transparent** and a **colored cover** in **green** or **blue**.

These hoses are combined in the CHEM UHMWPE product family and represent an **extension** of the familiar chemical hoses with an UPE inner liner.

Semperit's **highly flexible chemical protection hoses** are suitable for the transport of acids, alkalis, salts, organic compounds (alcohol, esters, ketones, etc.) including aromatic substances, chlorinated hydrocarbons and oxidizing acids. Please refer to our [chemical resistance list](#) for compatibility.

As the first manufacturer in Europe, Semperit introduced the UHMWPE inner liner in chemical hoses. However, as the name UHMWPE (**U**ltra-**H**igh-**M**olecular-**W**eight-**P**oly-**E**thylene) seemed too long, we shortened it to UPE and many other hose manufacturers followed suit. The short version is now well known in Europe, while the rest of the world uses the long version. For our newly introduced chemical hoses, Semperit now also uses the full abbreviation in the product names and descriptions.

Colors

The following hose types will be available with either a **transparent** or a **black** inner liner:




- CHEM UHMWPE **green** (smooth cover)
- CHEM UHMWPE **green** corrugated (flat corrugated cover)
- CHEM UHMWPE **blue** (smooth cover)
- CHEM UHMWPE **blue** corrugated. (flat corrugated cover)



The **blue cover** is categorized as a **premium** as it is designed with a higher abrasion resistance than the green cover.

Technical specifications

Developed and produced in the Europe's largest hose production in Odry, Czechia, the new chemical hoses have the following technical specifications:

-  Dimensions: Internal diameter from ¾" to 6" (19mm to 152,4mm)
-  Safety factor: 4:1
-  Working pressure: up to 2": 250psi (17bar)
3"-4": 200psi (13,5bar)
>4": 150psi (10,5bar)

For more detailed information and to place your orders, get in touch with our [customer service team](#). Further technical details are described in the respective datasheet on our [website](#). Please also refer to our [chemical resistance list](#) for the corresponding compatibility.



Petr Sadlon (Technical Product Manager)

Semperit is a global pioneer in the production of high-quality elastomer applications for industrial clients with a **200 years' history**. We are constantly expanding our global footprint – with technologically sophisticated innovations that keep the world of our customers running. We combine first-class technical expertise with high product quality in our wide range of hose solutions to meet the requirements of our customers around the globe.



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