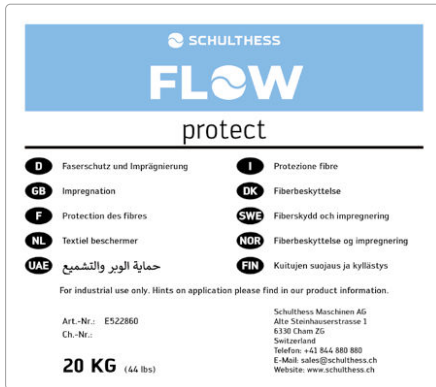


Wet impregnation based on fluorocarbon resin



### Product No

E522860

### Properties

- water-based fabric protection finish
- water, oil and dirt repellent
- finished fabrics remain breathable
- gives a soft, full handle feel.
- effective even at low condensation temperature
- colour brilliance is preserved
- free from PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonate)
- fluorine-reduced thanks to highly branched polymers

### Application

For garment fabrics, the application of FLOW protect should be carried out in the immersion-rolling process as the last rinse in a washer extractor. For large-surface fabrics, FLOW protect can also be applied by spraying.

### Washing method

The finishing with FLOW protect takes place in a single bath. Before impregnation, the cleaned fabrics must be carefully rinsed to remove all detergent and alkali residues, as even small amounts of surfactants or detergents can lead to a deterioration of the effect. The dosage should be 40 ml/kg. The finishing bath should have a pH value of 5 to 6.

The required amount of FLOW protect is added to the finishing bath (liquid ratio 1:3 to 1:4). The fabric is treated for 10 minutes in the impregnating liquid at 30–40°C, briefly spun down and dried. For membrane fabrics, spin in several intervals.

Drying should take place at full heating capacity. For full development of the impregnating effect, a drying temperature of 80°C at the drum outlet for at least seven minutes is necessary.

For commercial use only. This leaflet is for non-binding information only. The information is based on our current knowledge and experience. The user is in any case obliged to carry out his/her own tests and trials to check the suitability of the products for his/her intended processes and purposes. The information in this data sheet does not constitute a guarantee for the quality and durability of the goods to be supplied by us. We reserve the right to make technical changes within the scope of what is reasonable. The relevant EU safety data sheet in the current version must also be observed.

Schulthess Maschinen AG, Alte Steinhauserstrasse 1, 6330 Cham ZG, [www.schulthess.ch](http://www.schulthess.ch)

### **Spraying method**

Manual, outside the machine:

FLOW protect is diluted with water in a ratio of 1:4 and sprayed evenly onto the fabric using a commercially available spraying device. A heat supply of at least 30°C increases the impregnating effect.

Please note

Spray mist should never be inhaled. Appropriate exhaust ventilation must be provided.

### **Drying**

Depending on the temperature resistance of the treated items, they are dried in the tumbler or hanging at room temperature (like leather items). A clear impregnating effect is already achieved at a drying temperature of 30°C. Higher temperatures are necessary to fully develop the impregnating effect.

### **Quality requirements (depending on material and process)**

With the help of the procedures described above, the requirements are met according to or based on

- DIN EN 24920 (water-repellent properties (spray test))
- DIN EN ISO 14419 (oil-repellent finish)
- DIN EN 469 (resistance to penetration of liquid chemicals)
- EN ISO 15025 (influence of impregnation on flame propagation)
- DIN EN ISO 20811 (influence of impregnation on water penetration resistance).

### Technical data

Density (20°C)	1.00 g/ml
pH value (conc.)	3.0–4.0

### Notes

Storage:

Storage should be away from frost, although the solidified product can be reused without loss of quality after thawing. The product can be stored for at least 12 months in the sealed original container.

For commercial use only. This leaflet is for non-binding information only. The information is based on our current knowledge and experience. The user is in any case obliged to carry out his/her own tests and trials to check the suitability of the products for his/her intended processes and purposes. The information in this data sheet does not constitute a guarantee for the quality and durability of the goods to be supplied by us. We reserve the right to make technical changes within the scope of what is reasonable. The relevant EU safety data sheet in the current version must also be observed.

Schulthess Maschinen AG, Alte Steinhäuserstrasse 1, 6330 Cham ZG, [www.schulthess.ch](http://www.schulthess.ch)