

**BOPP**  
Coatings



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«THE ART OF SWISS PRECISION»

## Coatings

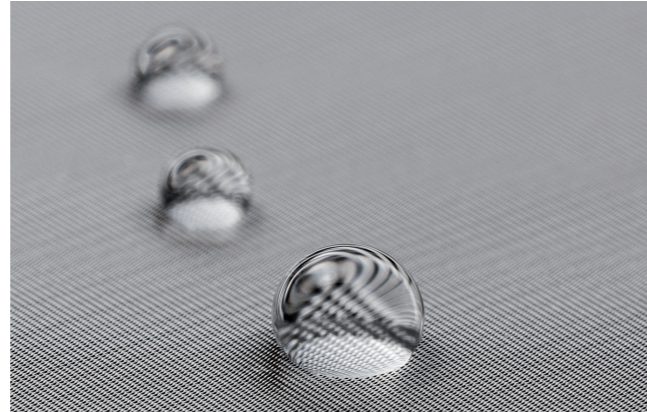
Coatings solutions from BOPP allow you to adapt BOPP meshes to achieve an even better match with your individual applications. We can expand your horizons using both functional and design-orientated coatings. The coatings do not affect mesh properties and aperture sizes. They also do not impact upon further processing requirements such as cutting, stamping, caulking and bonding.

### Coatings: An Overview

#### HC8

Our full surface HC8 coating guarantees optimal hydrophobic properties. Strips of mesh up to a width of 300mm and fabricated products were coated on all sides using an immersion process.

- Angle of contact to 145°
- Temperature resistance from -50 to 200°C, short term up to 250°C
- Chemical resistance
- UV resistant
- Colourless, odourless



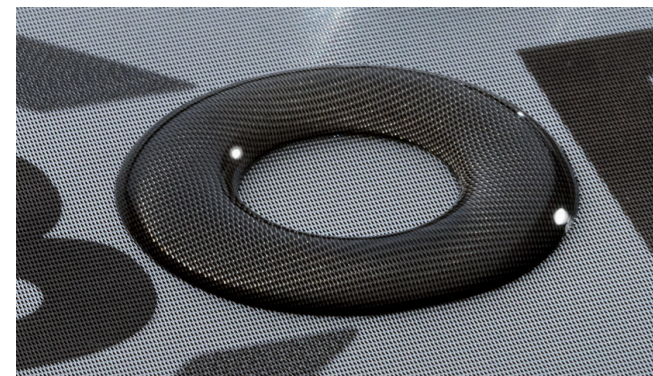
#### PVD

Ideal for large areas of black mesh used for design applications. The PVD coating is applied to one side and is also resistant to mechanical influences.



### Selective Coating – Full of new possibilities

BOPP SC-Technologies allow selective coating of individual areas of mesh. Laser induction enables us to position the coating only on the areas of the mesh where it is required.



#### SC-Hydrophilic

BOPP SC-Hydrophilic coating breaks the surface tension of liquids on the mesh. This facilitates improved absorption over uncoated mesh. This effect also helps PSA tapes to achieve visibly stronger adhesion to the mesh.

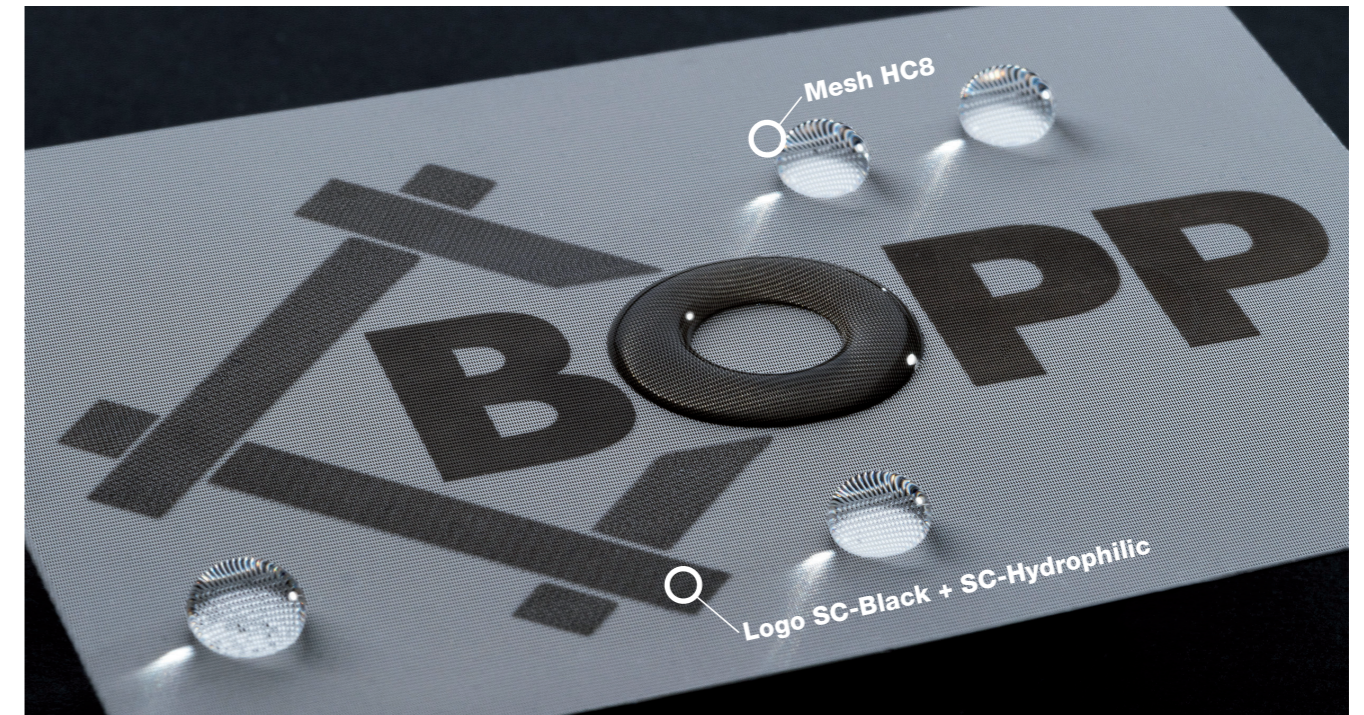


#### SC-Black

Selectively applied shades of black and discreet grey scales expand application potential – regardless of whether you want to highlight, conceal or label the mesh.

### Combination is the key

Our various coatings all have their own individual strengths, which can also be combined for optimum effect.

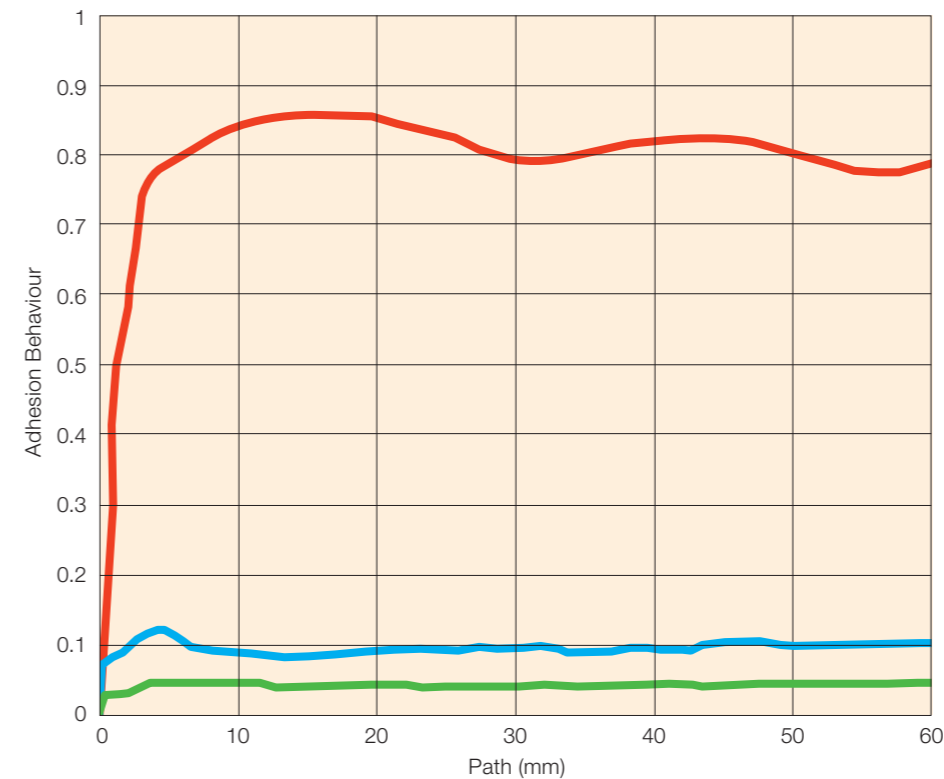


We are continuously developing our range of coatings, and will be pleased to consider your individual requirements.

### Assists adhesion for PSA Tapes

In order to improve adhesion characteristics for PSA tapes with our metal meshes, we have developed BOPP SC-Hydrophilic. The absorbent characteristic multiplies the adhesive force to the open aperture metal surface.

#### Adhesion Properties HC8 vs SC-Hydrophilic

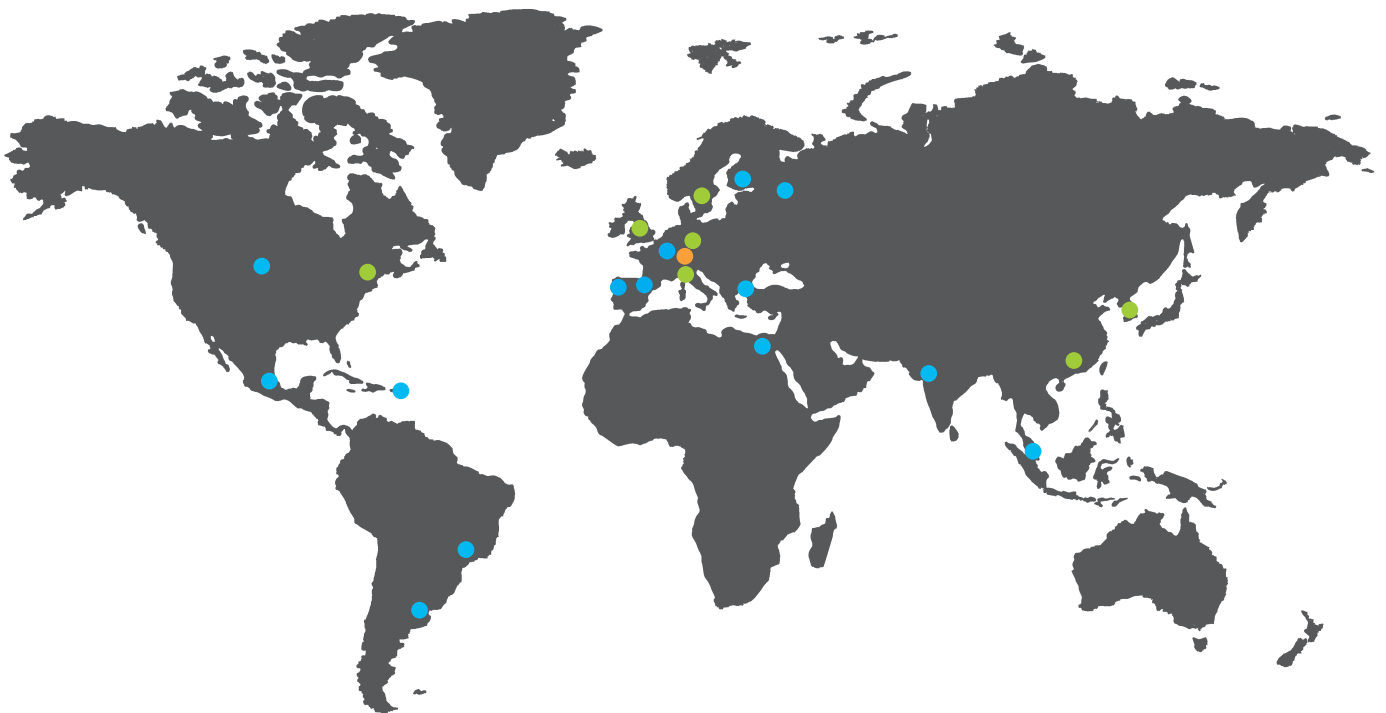


Adhesion behaviour is dependent upon the mesh used. The accompanying graphic is not intended to provide conclusions in terms of universal validity. However, in every case a multiplication compared to HC8 can be achieved.

- SC-Hydrophilic
- Uncoated mesh
- HC8

(Tested using strips of 3M Scotch Crystal Tape)

## The BOPP Group



- Headquarters
- Subsidiaries
- Representatives/Agents

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