



# PRONIL PROFLEX 3PLY

## Technical Data Sheet



### PRODUCT DESCRIPTION

3- ply TPE elastic tape coated both sides with special PES non woven, highly flexible in cross direction and stiff lengthwise. High tenacity. Polyester non woven allows excellent connections with all grades of cement or solvent based adhesives, sealants or coatings.

### APPLICATION AREAS

For permanent sealing of various junctions and cracks in common with embedding materials, underneath ceramic tiles or natural stones, in outdoor or indoor construction parties like, bathrooms, showers, swimming pools, balconies, terraces etc. It's highly resistant on hydrostatic pressure and vapor permeable, tear proof and chemical resistant. Very good behaviors on temperature differences.

### STORAGE

It has to be storage on a dry and cool place, not to expose to direct sun light. Use the tape within 24 months after receipt.

### HANDLING

Cut the sealing tape to the required length and press onto the fresh sealing compound, which serves as the adhesive base. Ensure that there is a tape overlap of at least 5 cm. Use a smoothing trowel to level out any uneven areas or distortions. Apply two or three coats and ensure that the tape is fully covered with the sealing compound.

MATERIAL COMPOSITION	
Substrate	Both side 50g PES non-woven
Sealing Zone	TPE (aging resistant)
Color	Grey (other color on request)
Total Width	120 mm
Sealing Zone	120 mm
Thickness	0,60 mm
Temperature resistance	-30°C / +90°C
Roll length	50 m (on request)

### PHYSICAL PROPERTIES

Breaking load longitudinal	181 N/20 mm
Breaking load lateral	31 N/20 mm
Tensile strength longitudinal	14,1 Mpa
Tensile strength lateral	2,4 Mpa
Extension break longitudinal	%124
Extension break lateral	%40
Power absorption at 25% elast. lateral	95 J/m <sup>2</sup>
Power absorption at 50% elast. lateral	295 J/m <sup>2</sup>
Water pressure resistant	>1,5 bar
UV-resistance	500 hours

### CHEMICAL PROPERTIES (storage 7 days in room)

**Rating scale: + resistant; 0 = poor; - without resistance**

Hydrochloric acid	+
Sulphuric acid	+
Citirc acid 100 g/l	+
Lactic acid 5%	+
Potassium hydroxide 3%	+
Sodium hypochlorite 0,3 g/l	+
Salt water NaCl (20 g/l)	+
KOH 3% 40°C – 28 days	+

### SUBSTRATE PREPARATION

This will depend on the nature and form of the substrate and the sealing system to be used. A suitable primer should be first applied.

### CONSUMPTION

When calculating consumption, allow for a tape overlap of at least 5 cm.

### CLEANING OF TOOLS

Tools and soiled areas should be cleaned immediately after usage with water.

### INFORMATION ON PROCESSING

The tape ensures excellent compatibility and good adhesion with polymer dispersions, flexible mineral sealing compounds and thermosetting resins. However, it is advisable to conduct a compatibility test before applying other products.

### DELIVERED AS

50 m roll, 1 roll / carton box, 120 cartons / pallet  
Other lengths are on request.

