

BIOSTICK

Vegetal-derived thermoplastic material suitable for elastic toe-puffs and counters.

| Product | Thickness | Tolerance | Method |
|---------------------|----------------|------------------|------------------|
| BIOSTICK 60 | 0,63 mm | ± 0,07 mm | ICF N° 26 |
| BIOSTICK 80 | 0,78 mm | ± 0,07 mm | ICF N° 26 |
| BIOSTICK 100 | 1,00 mm | ± 0,07 mm | ICF N° 26 |
| BIOSTICK 110 | 1,10 mm | ± 0,07 mm | ICF N° 26 |
| BIOSTICK 125 | 1,25 mm | ± 0,07 mm | ICF N° 26 |
| BIOSTICK 140 | 1,40 mm | ± 0,07 mm | ICF N° 26 |

➡ Technical features

BIOSTICK is a new generation environmentally friendly thermoplastic material for the production of counters and toe-puffs. **BIOSTICK** has been developed within the project of ECO-INNOVATION, ECOTPU ECO/2009/255887 and is produced starting from renewable raw materials (plants oil), thus minimizing the use of petrochemical resources.

BIOSTICK has good thermo-adhesive properties and it is manufactured through a particular co-extrusion process. The special structure enables counters and toe puffs to get extraordinary long open time and high shape-ability even at temperature of 80°C.

BIOSTICK is particularly suitable where good elasticity and moderate stiffness are required. The particular polymeric structure allows to obtain shoes with excellent profiles and shape-retention with unalterable and long-lasting performance, even under different weather conditions.

The wide range of thickness allows the product to be suitable for toe-puffs and counters in different kind of shoes.

➡ Mode of use

Due to its thermo-adhesive structure, **BIOSTICK** does not require any supplementary adhesive coating.

As a toe-puff, we recommend to cut the material in any direction and to apply it to upper by hot press at a temperature between 120 and 140°C, pressure of 2-4 bar for 4 - 7 seconds (depending on the characteristics of the upper).

As a counter, we recommend to cut the shape along the biggest-side direction (with reference to the sheet).

If you are using a heated profiling machine, a light pre-heating at 65-70°C is advisable before insert the counter between upper and lining and consequently the upper in the heated profiling machine at 90-100°C for 6-10 seconds (time can be reduced if the machine includes the heated cushion).

If you are using a not-heated profiling machine, a counter pre-heating at 90-100° by flash system or oven is necessary before its insertion between upper and lining.