

Traveller Evolution Specification Guide

FUNCTIONAL REQUIREMENTS



- The flooring shall be Gerflor Traveller Evolution, color XXX.
- The thickness shall be 2.5 mm (+/- 0.15) and the weight 3.16 kg/m² (+/-0,15).
- The flooring shall be treated with a surface treatment obtained by UV laser crosslinking and applied during production process in order to enable an easy cleaning process.
- The abrasion resistance shall be ≤ 100 mm³ according to ISO 4649 method A using a vertical force of 5N.
- The Indentation resistance average value shall be ≤ 0.15 mm according to ISO24343-1:2012.
- The flooring shall mask scratches when tested according to EN 14 565 with load of 10N.
- The dimensional stability of the flooring shall be ≤ 0.3% according to ISO 23999:2012.
- The flooring shall be flexible and shall be compliant to ISO 24 344 Procedure A using a Ø 8 mm mandrel.
- The flooring shall have a color fastness > 6 according to ISO 105-B02 Method 3.
- The flooring shall have a non-woven textile backing, to improve the bonding properties with all types of adhesive and prevent from the appearance of bubbles when bonded on non-porous substrates (composite, GFRP, aluminum, steel).

SAFETY



- Fire class: the flooring shall conform to the requirements of Fire Safety standards EN 45545-2, R10 HL2 and shall pass NFPA130.
- Slip resistance: the flooring shall conform to class R10 according to EN 16165 Annex B (ex DIN 51130:2014) and shall have a coefficient of friction > 0.6 in wet and dry conditions according to ASTM D2047.

ENVIRONMENT



- The manufacturer of the floorcovering must be in possession of valid environmental ISO 14001 and energy ISO 50001 certificates.
- The flooring shall be strictly composed of REACH compliant raw materials.
- The weight of the product shall not exceed 3.31 kg/m² to minimize fuel consumption of the vehicle.
- The flooring shall have emission level after 28 days TVOC < 1000 µg/m³ according to ISO 1600 series.
- The flooring shall be free from heavy metals (Lead, Cadmium, Barium, Tin, Chromium...) and DEHP plasticizer.

INSTALLATION



- The flooring must be available in 200 cm roll width, to minimize the number of seams.
- The flooring shall be heat weldable, using a hot welding gun and vinyl welding rods in order to ensure a complete and durable watertight system.
- The flooring shall be supplied with a peel & stick solution, using a Pressure Sensitive Adhesive in order to minimize the installation time. The PSA shall bond on all types of subfloors and surfaces. The bonding performance shall comply with the manufacturer's specifications.
- The flooring shall be supplied in pre-cut and pre-welded shipsets. Factory welds shall provide a complete and durable watertight system. Straight welds on horizontal walking surfaces shall be performed from the backside in order to be less visible.