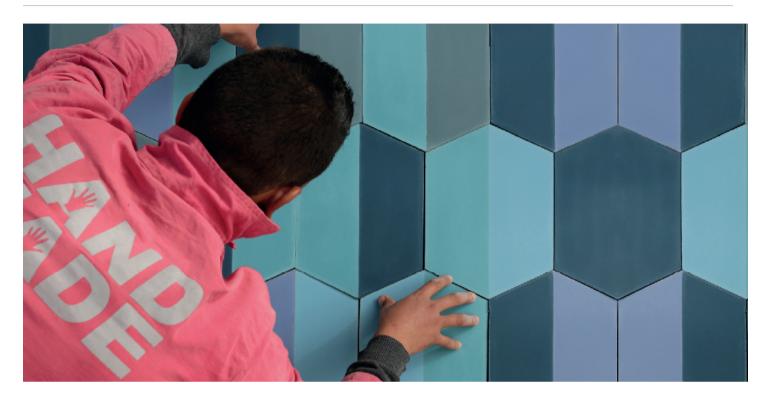# CONCRETE TILE TECHNICAL CHARACTERISTICS

PRODUCTION TOLERANCES:
length / width: +/- 0.5mm
thickness: +/- 1mm

FLEXURAL RESISTANCE:
popham design result 147 bars (Norm NM 10-6-001 : **≥60 bars**)

ABRASION RESISTANCE:
popham design result 10.8 (Norm NM 10.6.002 : **≤32**)

WATER ABSORBTION:
popham design result 5.7% (Norm N10-6-001 : **≤7%**)

SLIP RESISTANCE:
popham design result 0.65 (Norm DCOF : **≥ 0.50**)

ACID RESISTANCE:
Concrete tiles are not acid resistant. They should be cleaned only with pH neutral cleaning products.

FREEZE / THAW TOLERANCE:
Concrete tiles are porous and when exposed to freeze/thaw, the repeated contraction and expansion can cause micro-cracking on the surface of the tiles. For this reason, we do not recommend their use inexertion environments where there are freeze/thaw conditions.

RECYCLED CONTENT:
Pre-consumer recycled content: 50%
Post-consumer recycled content: 0%
Raw materials extraction location: Marrakech region, Morocco*
Manufacturing location: Marrakech, Morocco

COMPOSITION:
Our tiles are handmade in Morocco from a mixture of Portland cement, marble powder, silica fume, pigments (inorganic and chemical) and several strengthening additives. The tiles are pressed using a hydraulic press. They are cured over a 2-3 week period (cement tiles gain strength from air curing versus ceramic tiles which are fired).

Our Portland cement and marble powder are sourced locally. *The pigments, which makeup about 1% of the tile, are imported from Belgium. Additional additives comprise less then 1% of the tile.

ECO-FRIENDLY:
We use reclaimed and filtered rainwater. Our workers' showers are heated with solar hot water. Very little energy is used in the production of the tiles. The boxes in which our tiles are packaged are made from recycled and recyclable paper. There are no toxic chemicals - asbestos, lead, etc... in our tiles. The tiles are sealed with a water-based penetrating sealant at our factory before being boxed and shipped. We meet Ethical Trading standards.