Stoneable is a company based in Belgium. We engineer ultra-thin stone panels that bring the experience of nature into any architectural space.

Our robust, durable products harness the power of organically developed stone patterns, colours and textures.

Stoneable is nature redefined as a design object, a stylish surface or a structural element in both public and private environments.

# INDOOR AGEING TEST FOR WET AREAS

Simulating the combination of extreme high humidity (95% RH) and high temperatures (70°C) Tested during 7 days.

## \*RESUL

No visable ageing

No impact on material properties.

# HOT-COLD AGEING TEST

Simulating extreme outdoor weather conditions by the combination of three cycles. NBN EN ISO 9142

- 72h under water at 23°C
- 24h in freezing conditions at -28°C
- 72h in hot conditions (oven) at 70°C

Total duration of this test cycle is 7 days Two consecutive test cycles.

#### \* RESULT

- No visable ageing.
- No impact on material properties.

# STABILITY STONEABLE LAMINATED TEST

- Pressurised lamination with fiber reinforced glue, acrlyic-based.
- Testing in oven at 70°C during 3h to cause shrinking of the wooden panel (by dehydration) and expansion of the polyester.
- We advice the following backings / balancers to minimise bending : Stoneable sheet, FRP 1,5mm or HPL 1,2mm.
- Maximum shear stress test results in values above 1,51 MPa, also after Cataplasma test and hot-cold test. This is way above industry standard
- Testcontrol II of Zwick Roell has been used for testing.

## CONCLUSION CENTEXBEL

Stoneable sheets are not sensitive to moisture. Thermal expansion is limited by the use of fiberglass in the polyester resin. If laminated on wooden base panels, it is highly recommended to use appropriate backing materials to avoid or to minimise bending. Extremely strong bonding on wooden panels if laminated correctly.

THICKNESS		
SIZE TOLERANCE		
THERMAL EXPANSION *IF HEATED UNTIL 90°C		