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COATINGS

ALUSION WITH EPOXY

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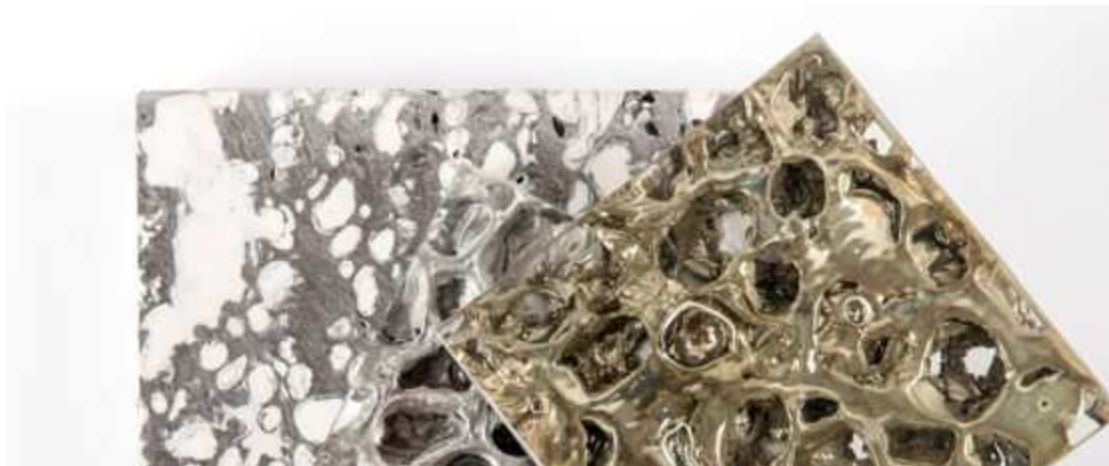
COA228

Country

Netherlands

Brand[Genesis Product Development BV](#)

pro

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16 August 2017 - story by [Genesis Product Development BV](#)

ADVERTORIAL - Alusion is a form of Stabilized Aluminium Foam. The patented process for creating Alusion starts with a metal matrix composite – an aluminium alloy to which ceramic particles have been added. Once melted, the aluminium alloy is poured into a foaming box. Gas bubbles exiting immersed rotating impellers (a component of the air injection system) form the foam. The foam collects on the

surface of the molten material, where it can be continuously drawn off to form a sheet. The foam structure is predominantly closed cell. The cell size is controlled by the gas flow rate, impeller design and impeller rotational speed. The rate and means by which the gas is introduced can be varied to produce foams with varying densities. Genesis PD uses Alusion together with epoxy, and it can also



be used with 'coloured epoxy'.

One of the stunning examples can be seen at Repossi stores – Paris/ France.

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Alusion is produced in continuously cast sheet 4' (1.22 m) wide which is cut to 8' (2.44 m) lengths. Longer lengths can be produced if sufficient quantities are required.

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Alusion Sheet Products

MATERIAL PROPERTIES

SENSORIAL

GLOSSINESS

GLOSSY

TRANSLUCENCE

0-50%

STRUCTURE

CLOSED

TEXTURE

VARIABLE

HARDNESS

RESILIENT

TEMPERATURE

MEDIUM

ACOUSTICS

GOOD

ODOUR

NONE

TECHNICAL

FIRE RESISTANCE

MODERATE

UV RESISTANCE

GOOD

WEATHER RESISTANCE

GOOD

SCRATCH RESISTANCE

GOOD

WEIGHT

LIGHT

CHEMICAL RESISTANCE

GOOD

RENEWABLE

NO

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