



PRODUCT SPECIFICATION

Date of tests: July/August 2005

The organization: Société Française de Céramique
23, rue de Cronstadt 75015 Paris – France

Product identification	
Lava	30 slabs of enamelled lavastone, size: 300 x 300 x 10 mm, enamel silk-screen decoration (four-colours for UV resistance tests)
Stoneware	30 slabs of Chroma II-type enamelled extruded stoneware, size: 300 x 300 x 6 mm, enamel silk-screen decoration (four-colours for UV resistance tests)

Test according to standard	Description	Lava	Stoneware	Comments
French manufacturing standard EN ISO 10545-3	Water absorption	9.9%	1.5%	The lava is clearly more porous than the stoneware. This is probably due to the crazing caused by the enamelling process. This has no consequences when used for signage.
French manufacturing standard EN ISO 10545-4	Breakage through flexion	442 N	515 N	When comparing pieces of equal thickness, stoneware is 3 times more resistant than lava. This is compensated for by using thicker slabs of lava
French manufacturing standard EN ISO 10545-12	Frost resistance	Nothing to report	Nothing to report	No visible deterioration following 100 consecutive freezing / de-freezing cycles.
French manufacturing standard EN ISO 10545-13	Chemical resistance	GB/GLA/GLB	GA/GLA/GLA	The enamelled lava is slightly sensitive (to citric acid and lactic acid) whereas enamelled stoneware is not affected. Graffiti can be removed with acetone.
French manufacturing standard EN ISO 10545-14	Stain resistance	1-5-5	5-5-5	Various stains can be removed with hot water although the colour green tends to remain in the crazing of the lava. The solution: use a brush to remove the stains from the crazing.
French manufacturing standard EN 101	MOHS hardness of enamel	Class 5	Class 5	This matches the required guarantee. The decorative elements resist scratches caused by keys or similar objects.
DIN 51094	Light resistance	Nothing to report	Nothing to report	The various decorative elements and colours suffer no visible changes following exposure to ultraviolet light. We guarantee that colours won't alter within a minimum of 10 years.