

**TEST REPORT**  
FPK.07.21/ 10.07.2016

**Name of The Product** : 60x60x2 cm STARK serisi  
**Production Facility** : Hayal Ceramic 1.Facility  
**Product Group** : Dry-pressed ceramic tiles / Group Bla / GL  
**Special Body for Product** : Coloured Mixture Appropriate to Design Color (Salt&pepper body)  
**Recommended Use** : interior & exterior floor  
**Report Date** : 06.01.2017

Test Title	Test Results	Requirements	Decision
Length & Width (mm)	600x600 mm	599,0-601,0mm for 600mm side	OK
Thickness (mm)	20,00 mm	19,7 – 20,3 mm	OK
Straightness of Sides (%)	< %0,2	± %0,5	OK
Rectangularity (%)	< %0,2	± %0,6	OK
Edge Curvature (%)	< %0,2	± %0,5	OK
Corner Curvature (%)	< %0,2	± %0,5	OK
Center Curvature (%)	< %0,2	± %0,5	OK
Small Colour Differences	First Quality	> %95 perfect	OK
Water Absorption	< 0,1 %	≤ 0,5 %	OK
Breaking Strength (N)	> 1300N	> 1300 N	OK
Abrasion Resistance (PEI)	PEI IV	As declared	OK
Coeff. Of Thermal Expansion	< 7,0 x 10 <sup>-6</sup>	As declared	OK
Thermal Shock Resistance	Resistant	Required	OK
Crazing Resistance	Resistant	Required	OK
Frost Resistance	Resistant	Required	OK
Slippery Resistance	R11	As declared	OK
Moisture Expansion (mm/m)	< 0,3	As declared	OK
Staining Resistance	Class 5	Min. Class 3	OK
Acid & Alkali Resistance	GLA	As declared	OK
Household Chemicals	GA	Min. GB	OK
Release of Cadmium	< 0,005 mg/dm <sup>2</sup>	As declared	OK
Release of Lead	< 0,005 mg/dm <sup>2</sup>	As declared	OK
<b>OVERALL RESULT</b>	All test results are positive according to the norms of TS EN 14411 standards, Annex G.		

Approved by

Technology Manager  
Canan Guven