

Blends Recycled Glass Shapes Rectified
Gradients Restoration Trends Essentials
Habitat RueBX Trinity

Personal Sanctuary Shapes Union Station Recycled

Radius



Test Results of ROHS Directive

Tested Elements	Results(ppm)	
CADMIUM (cd)	ND	
LEAD (cd)	ND	

ppm= parts per million ND= Not Detected

Radioactivity of Building Materials

RADIOACTIVITY OF BUILDING MATERIALS WERE EVALUATED IN ACCORDANCE WITH GB 6566-2010, TYPE A DECORATION MATERIALS.

Tested Elements	Results	
RADIUM-226 Radioactivity Rate Activity, Bq/kg	4.906	
THORIUM-232 Radioactivity Rate Activity, Bq/kg	2.999	
POTASSIUM-40 Radioactivity Rate Activity, Bq/kg	48.61	

TYPE A DECORATION MATERIALS

Requirements	Results	
IRRADIATION < 1. 0	< O.1	
EXTERNAL IRRADIATION < 1. 3	< 0.1	

RADIOACTIVITY OF BUILDING MATERIALS CONFORM TO REQUIREMENTS SPECIFIED IN GB 6566-2010, TYPE A DECORATION MATERIALS.

Recycled Content of Material

THE FACTORY DECLARES THAT THE CONTENTS OF ENAMEL GLASS MOSAIC ARE SILICA (SIO2) AND ZIRCONIUM SILICATE; AND ALL MATERIALS ARE RECYCLED FROM COLLET. NO OTHER NEW RAW MATERIALS ARE ADDED DURING THE MANUFACTURING PROCESS. THE RECYCLED CONTENT OF MATERIALS IS 98%.

Water Absorption

Group No.	Test Method	Test Results (%)		
1	ISO 10545-3:1995	1.00		
2		0.43		
3		0.49		
4		0.57		
5		1.09	Average:	
6		0.66	0.67	
7		0.51	3.07	
8		0.61		
9		0.63		
10		0.72		

Specimen dimensions: 20mm X 20mm x 7mm, 9pcs in each group



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Resistance to Stain

Group No.	Test Method	Green Staining	lodine 13g/L	Olive Oil
1		5	5	5
2		5	5	5
3	ISO	5	5	5
4	10545-14:1995	5	5	5
5		5	5	5

Specimen dimensions: 20mm X 20mm X 7mm, 15pcs

Thermal Stability

Test Items	Test Method	Test Results
Thermal Stability	With reference to GB/T 7697-1996	No cracking or breakage on the surface of all test specimens
Thermal Shock Resistance	ISO 10545-9:2013	Fully resistance
Frost Resistance	ISO 10545-12: 1995/Cor I : 1997	Fully resistance

Specimen dimensions: 20mm x 20mm x 7mm, 50pcs

Coefficient of Friction

Test method: GB/T 4100-2006 Annex M Determining the Coefficient of Friction of Ceramic Tile Specimens: 170mmx170mm, 3pcs, all test samples were cut from the products with the size of 320mmx320mm

Test Items	Test Results	
Coefficient of Friction for Dry Surface	0.77	
Coefficient of Friction for Wet Surface	0.50	

Resistance to Surface Abrasion

Test method: Refer to ISO 10545-7:1996 Ceramic tiles-part 7: Determination of resistance to surface abrasion for glazed tiles

Specimens: mosaic

Test Results: After 1500 revolutions, visual failure occured.



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Chemical Resistance

Test method: GB/T 4100-2006 Annex M Determining the Coefficient of Friction of Ceramic Tile Specimens: 170mmx170mm, 3pcs, all test samples were cut from the products with the size of 320mmx320mm

Aqueous test solutions		Test Results	
Household chemicals	Ammonium chloride solution, 1 00g/l	Visual examination	Class: GA
Swimming pool salts	Sodium hypochlorite solution,20mg/l	Visual examination	Class: GA
	Hydrochloric acid solution,3%(V/V)	Visual examination	Class: GLA
Low concentrations acids & alkalis	Citric acid solution, 100g/l	Visual examination	Class: GLA
	Potassium hydroxide solution, 30g/l	Visual examination	Class: GLA

ISO 13006:2012 Ceramic tiles - Definitions, classification, characteristics and , marking

Properties	Test Method	Requirements	Results	Verdicts
Physical property				
Water absorption percent mass fraction	ISO 10545-3: 1 99 5/Cor. 1 : 1997	Eb>IO¾ Individual minimum 9%	11.7% 11.2%~ 12.2%	Р
Thermal shock resistance	ISO 10545-9:2013	Test method available	Fully resistance	-
Frost resistance	ISO 10545-12: 1995/Cor I : 1997	required	Fully resistance	Р
Chemical Property				
Resistance to staining				
a) Green staining agent in light oil	ISO 10545-14:2015	Minimuin Class 3	Class 5	Р
b) Red staining agent in light oil	ISO 10545-14:2015	Minimuin Class 3	Class 5	Р
c) Olive oil	ISO 10545-14:2015	Minimuin Class 3	Class 5	Р
Resistance to chemicals & swimming pool salts				
a) Household chemicals: Ammoniun1 chloride, I OOII/L	ISO 10545-13:2016	Minimum GB	А	Р
b) Swimming pool salts: Sodium hypochoric solution, 20mg/L	ISO 10545-13:2016	Minimum GB	А	Р
Resistance to low concentrations of acids and alkalis				
a) Hydrochloric acid solution, 3% (v/v)	ISO 10545-13:2016	Manufacn1rer to state classification	LB	-
b) Citric acid solution, I OOg/L	ISO 10545-13:2016	Manufacn1rer to state classification	LA	-
c) Potassium hydroxide, 30g/L	ISO 10545-13:2016	Manufacn1rer to state classification	LA	-
Resistance to high concentrations of acids and alkalis				
a) Hydrochloric acid solution, 18% (v/v)	ISO 10545-13:2016	Test Method available	НВ	-
b) Lactic acid, 5 % (v/v)	ISO 10545-13:2016	Test Method available	НА	-
c) Potassium hydroxide, I OOg/L	ISO 10545-13:2016	Test Method available	НА	-
Lead & Cadmium release				
a) Lead release, in mg/dm2	ISO 10545-15:1995	Test Method available	<0.01	-
b) Cadmium release, in 1ng/d1n2	ISO 10545-15:1995	Test Method available	<0.002	-

- 1. P(ass): Test item does meet the requirement.
- 2. F(ail): Test item, does not meet the requirement.
- -: Verdict was not carried out.
- N/A: Test case does not apply to the test item