



R.A.K. CERAMICS P.S.C.



TECHNICAL SPECIFICATION

| | |
|--------------------------|---|
| MODEL | : 30/60 SENSATION-WHMT |
| NOMINAL SIZE | : 30 X 60 CM (RECTIFIED) |
| THICKNESS | : 10.8 MM |
| TYPE OF PRODUCT | : WHITE BODY CERAMIC TILE |
| NATURE OF SURFACE | : GLAZED & MATT |
| GROUP | : BIII |
| REF. STANDARD | : INTERNATIONAL STANDARD - ISO 13006:2012 |

| TEST DESCRIPTION | STANDARD TEST METHOD | STANDARD REQUIREMENTS | R.A.K. CERAMICS SPECIFICATION |
|--|----------------------|---|---|
| Surface Quality | BS EN ISO 10545 - 2 | A minimum of 95% of the tiles are to be free from visible defects | Minimum of 95% of the tiles are free from visible defects |
| Length & Width | BS EN ISO 10545 - 2 | ± 0.5 % | ± 0.2 % |
| Thickness | BS EN ISO 10545 - 2 | ± 10 % | ± 5 % |
| Straightness of Sides | BS EN ISO 10545 - 2 | ± 0.3 % | ± 0.3 % |
| Rectangularity | BS EN ISO 10545 - 2 | ± 0.5 % | ± 0.3 % |
| Center Curvature | BS EN ISO 10545 - 2 | + 0.5 % - 0.3 % | ± 0.3 % |
| Edge Curvature | BS EN ISO 10545 - 2 | + 0.5 % - 0.3 % | ± 0.3 % |
| Warpage | BS EN ISO 10545 - 2 | ± 0.5 % | ± 0.3 % |
| Water Absorption | BS EN ISO 10545 - 3 | 10 % < E _b ≤ 20 % | 10 % < E _b ≤ 18 % |
| Breaking Strength | BS EN ISO 10545 - 4 | Minimum 600 N | ≥ 650 N |
| Modulus of Rupture | BS EN ISO 10545 - 4 | Minimum 12 N/mm ² | ≥ 16 N/mm ² |
| Resistance to Surface Abrasion | BS EN ISO 10545 - 7 | Manufacturer to state abrasion class | PEI Class 4 |
| Coefficient of Linear Thermal Expansion | BS EN ISO 10545 - 8 | Test method available | ≤ 7 X 10 ⁻⁶ /°C |
| Thermal Shock Resistance | BS EN ISO 10545 - 9 | Test method available | No visible defect |
| Crazing Resistance | BS EN ISO 10545 - 11 | Required | No crazing |
| Resistance to Household Chemicals & Swimming Pools Salts | BS EN ISO 10545 - 13 | Minimum GB | Class GA No visible effect |
| Resistance to Low Concentrations Acids & Alkalis | BS EN ISO 10545 - 13 | Test method available | Class GLA No visible effect |
| Resistance to Stains | BS EN ISO 10545 - 14 | Minimum Class 3 | Min. Class 4 Stains removed |

NOTE: This Technical Specification is applicable only to tiles in Choice "A".

Authorized:
For R.A.K. CERAMICS

RUEL PEREZ
General Manager
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Date of Issue: 16/06/2015



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R.A.K. CERAMICS P.S.C.



TECHNICAL SPECIFICATION

| | |
|--------------------------|---|
| MODEL | : 30/60 SENSATION-WHGL |
| NOMINAL SIZE | : 30 X 60 CM (RECTIFIED) |
| THICKNESS | : 10.8 MM |
| TYPE OF PRODUCT | : WHITE BODY CERAMIC TILE |
| NATURE OF SURFACE | : GLAZED & GLOSSY |
| GROUP | : BIII |
| REF. STANDARD | : INTERNATIONAL STANDARD - ISO 13006:2012 |

| TEST DESCRIPTION | STANDARD TEST METHOD | STANDARD REQUIREMENTS | R.A.K. CERAMICS SPECIFICATION |
|--|----------------------|---|---|
| Surface Quality | BS EN ISO 10545 - 2 | A minimum of 95% of the tiles are to be free from visible defects | Minimum of 95% of the tiles are free from visible defects |
| Length & Width | BS EN ISO 10545 - 2 | ± 0.5 % | ± 0.2 % |
| Thickness | BS EN ISO 10545 - 2 | ± 10 % | ± 5 % |
| Straightness of Sides | BS EN ISO 10545 - 2 | ± 0.3 % | ± 0.3 % |
| Rectangularity | BS EN ISO 10545 - 2 | ± 0.5 % | ± 0.3 % |
| Center Curvature | BS EN ISO 10545 - 2 | + 0.5 % - 0.3 % | ± 0.3 % |
| Edge Curvature | BS EN ISO 10545 - 2 | + 0.5 % - 0.3 % | ± 0.3 % |
| Warpage | BS EN ISO 10545 - 2 | ± 0.5 % | ± 0.3 % |
| Water Absorption | BS EN ISO 10545 - 3 | 10 % < E _b ≤ 20 % | 10 % < E _b ≤ 18 % |
| Breaking Strength | BS EN ISO 10545 - 4 | Minimum 600 N | ≥ 650 N |
| Modulus of Rupture | BS EN ISO 10545 - 4 | Minimum 12 N/mm ² | ≥ 16 N/mm ² |
| Resistance to Surface Abrasion | BS EN ISO 10545 - 7 | Manufacturer to state abrasion class | PEI Class 4 |
| Coefficient of Linear Thermal Expansion | BS EN ISO 10545 - 8 | Test method available | ≤ 7 X 10 ⁻⁶ /°C |
| Thermal Shock Resistance | BS EN ISO 10545 - 9 | Test method available | No visible defect |
| Crazing Resistance | BS EN ISO 10545 - 11 | Required | No crazing |
| Resistance to Household Chemicals & Swimming Pools Salts | BS EN ISO 10545 - 13 | Minimum GB | Class GA No visible effect |
| Resistance to Low Concentrations Acids & Alkalis | BS EN ISO 10545 - 13 | Test method available | Class GLA No visible effect |
| Resistance to Stains | BS EN ISO 10545 - 14 | Minimum Class 3 | Min. Class 4 Stains removed |

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