

Quality Standard for internal and external walls

The Japan Industrial Standard for Ceramic Tiles (JIS A 5209), along with its testing standards (JIS A 1509-1 to 13), serves as the unified standard for tiles in Japan. Additionally, we are dedicated to quality control through our own more rigorous internal standards, which are based on these JIS standards. For your reference, here is a notation of a part of the JIS product and testing standards.

| characteristics | | | | test method | |
|---|--------------------------------------|----------------|---------------------|------------------------|--------------|
| Water absorption (Boiling or Vacuum) | % | Dry-pressed | B I : ≤ 3.0 | JIS A 1509-3 | |
| | | Extruded | A II : ≤ 10.0 | | |
| Breaking strength | N | Internal walls | External walls | | JIS A 1509-4 |
| | | | Surface area | | |
| | | ≥ 108 | $< 60 \text{ cm}^2$ | $\geq 60 \text{ cm}^2$ | |
| Thermal shock resistance | | No damage | | JIS A 1509-7 | |
| Crazing resistance | | No crazing | | JIS A 1509-8 | |
| Frost resistance | | No damage | | JIS A 1509-9 | |
| Resistance to chemicals | ammonium chloride solution, 100g/l. | Declared value | | JIS A 1509-10 | |
| | hydrochloric acid solution, 3% | Declared value | | | |
| | citric acid solution, 100g/l | Declared value | | | |
| | potassium hydroxide solution, 30g/l | Declared value | | | |
| | sodium hypochlorite solution, 2.0g/l | Declared value | | | |
| Lead and cadmium release | $\mu\text{g}/\text{cm}^2$ | Declared value | | JIS A 1509-11 | |

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Non-flammable

The reaction to fire performance of ceramic tiles may also be classified also as Class A1 according to EN 13501-1.

Technical Data Sheet

| | |
|------------------------------|------------------------|
| 1. Collection | CRESCENT-BORDER |
| 2. Category of tile | BI Unglazed tile |
| 3. Length, Width & Thickness | 147.5 x 10.0 x 22.0 mm |
| 4. Item number | DCF-10BNET/CRS-1~CRS-4 |

| | | |
|--------------------------------------|--------|----------------|
| characteristics | | JIS A 5209 |
| Length (mm) | | 147.5 ± 2.0 |
| Width (mm) | | 10.0 ± 0.8 |
| Crook (mm) | Length | ≤ 1.6 |
| | Width | ≤ 1.0 |
| Thickness (mm) | | 22.0 ± 1.2 |
| Centre curvature (mm) | | N/A |
| Torsion (mm) | | N/A |
| Edge curvature (mm) | | N/A |
| Straightness of sides (mm) | | ± 1.2 |
| Rectangularity (mm) | | N/A |
| Shape of back feet | | N/A |
| Height of back feet (mm) | | N/A |
| Water absorption (%) (Vacuum method) | | ≤ 3.0 |
| Breaking strength (N) | | ≥ 540 |
| Thermal shock resistance | | N/A |
| Crazing resistance (-) | | N/A |
| Frost resistance (-) | | No damage |
| Resistance to chemicals (-) | | Declared value |

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Note :

1. Testing methods are in compliance with JIS A5209:2020 and JIS A 1509.

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