

# Unionstone

*Porcelain Stone*



4 Colours / 4 Finishes / 8 Sizes / 2 Mosaics

Unionstone represents unique elements in nature based on the colours of the Earth. This stone-effect porcelain range has a strong personality and aesthetic qualities that reflect the landscape around us. Refer to Unionstone 20mm for outdoor tiles for use with External Support Systems.







Floor: DSAU 02 Krystal



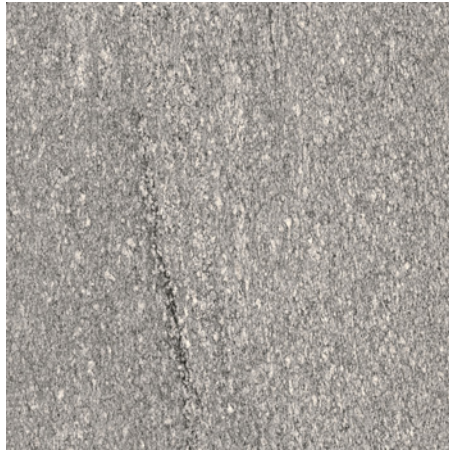
Floor: DSAU 03 Natural



# Sizes



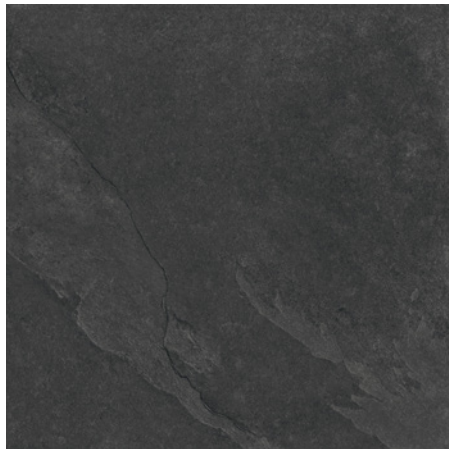
DSAU 01



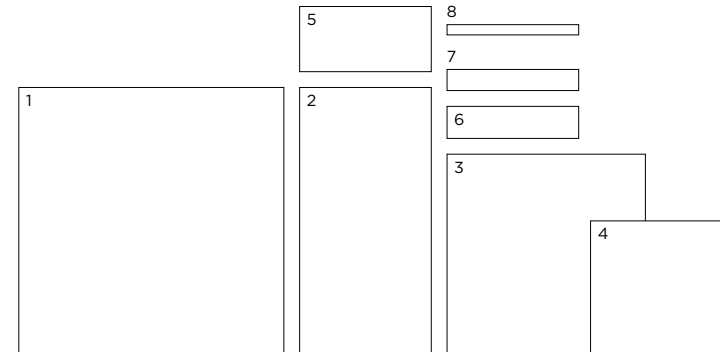
DSAU 02



DSAU 03



DSAU 04



	Size (mm)	Thickness	Finish	Colour Availability
1	1195 x 1195 (R)	10	Natural	DSAU 03 & 04
2	1195 x 595 (R)	10	Natural Krystal Bush Hammered Grooved	All colours DSAU 01, 02 & 03 All colours All colours
3	895 x 895 (R)	10	Natural	All colours
4	595 x 595 (R)	10	Natural	All colours
5	595 x 296 (R)	10	Natural	All colours
6	595 x 147 (R)	10	Natural	All colours
7	595 x 98 (R)	10	Natural	All colours
8	595 x 49 (R)	10	Natural	All colours

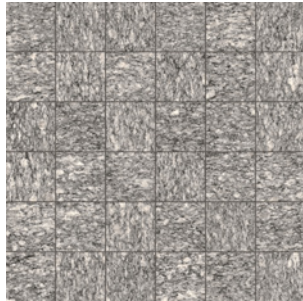
(R) Rectified size - squared edge with bevel. Mosaics shown on next page. Swatch colours may vary from original. Samples should be requested.

# Mosaics & Special Pieces

Mosaic 50 x 50mm



DSAU 01 Mosaic



DSAU 02 Mosaic



DSAU 03 Mosaic

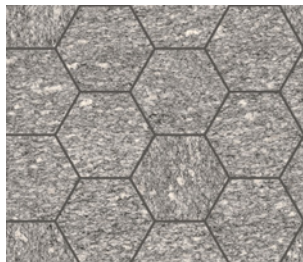


DSAU 04 Mosaic

Maxi Class Mosaic



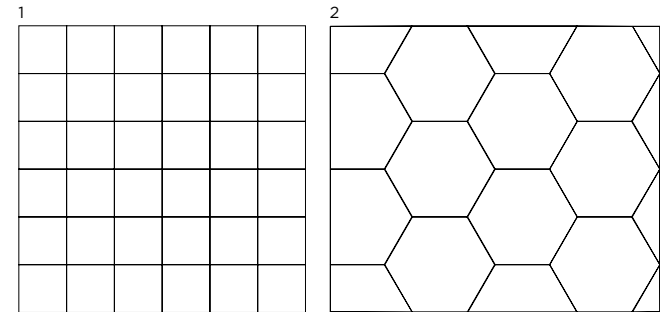
DSAU 01 Maxi Class Mosaic



DSAU 02 Maxi Class Mosaic



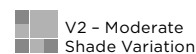
DSAU 03 Maxi Class Mosaic



	Size (mm)	Thickness	Finish	Colour Availability
1	Mosaic 50 x 50 on 300 x 300 sheet	10	Natural	All colours
2	Maxi Class Mosaic on 345 x 300 sheet	10	Krystal	DSAU 01, 02 & 03
	Skirting			
	1200 x 73 (R)	10	Krystal	DSAU 01, 02 & 03
	900 x 73 (R)	10	Natural	All colours
	600 x 73 (R)	10	Natural	All colours
	Step Tread			
	1200 x 330 (R)	10	Natural	All colours
	Angle Step Tread SX/DX			
	1200 x 330 (R)	10	Natural	All colours

(R) Rectified size - squared edge with bevel.

Swatch colours may vary from original. Samples should be requested.





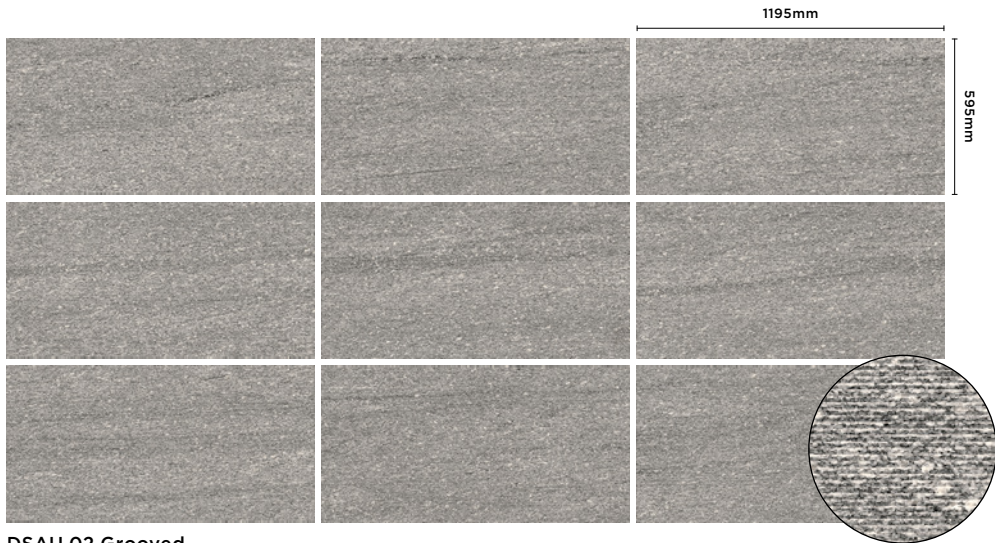
# V2 — Moderate Shade Variation



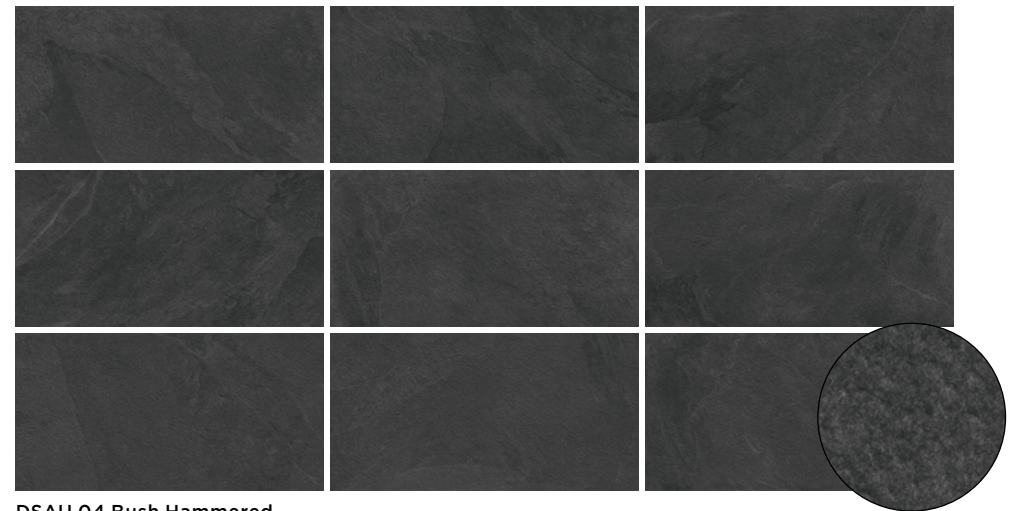
DSAU 01 Natural



DSAU 03 Krystal



DSAU 02 Grooved



DSAU 04 Bush Hammered

# Unionstone

## Technical Data

**Product Type:** Glazed Porcelain (BS EN 14411 – Group Bla)

**Use:** Floors & Walls

**Product Code:** DSAU

### DIMENSION & SURFACE QUALITY

Technical Characteristics	Industry Standards	Requirement (for nominal size <i>N</i> )		Actual Value
		70mm ≤ <i>N</i> < 150mm	<i>N</i> ≥ 150mm	
Length & width	BS EN ISO 10545-2	± 0.9mm	± 0.60% (max. ± 2.0mm)	Conforms
Thickness	BS EN ISO 10545-2	± 0.5mm	± 5% (max. ± 0.5mm)	Conforms
Edge straightness	BS EN ISO 10545-2	± 0.75mm	± 0.50% (max. ± 1.5mm)	Conforms
Orthogonality (squareness)	BS EN ISO 10545-2	± 0.75mm	± 0.50% (max. ± 2.0mm)	Conforms
Planarity (flatness)	BS EN ISO 10545-2	± 0.75mm	± 0.50% (max. ± 2.0mm)	Conforms
Appearance	BS EN ISO 10545-2	> 95%		Conforms

### SLIP RESISTANCE

Technical Characteristics	Industry Standards	Requirement	Finish
Areas with footwear	BS EN ISO 10545-17 (DIN 51130)	R10 from 10° to 19° R11 from 19° to 27°	Natural Bush Hammered / Grooved
Areas with bare feet	DIN 51097	B over 18° to 24° C over 24°	Natural Bush Hammered / Grooved
Slip resistance Coefficient of friction	BS 7976-2	Test results upon request	

### PRODUCT QUALITY & DURABILITY

Technical Characteristics	Industry Standards	Requirement	Actual Value
Water absorption	BS EN ISO 10545-3	≤ 0.5%	≤ 0.1% (typical value)
Modulus of rupture (bending strength)	BS EN ISO 10545-4	≥ 35 N/mm <sup>2</sup>	≥ 45 N/mm <sup>2</sup> (typical value)
Breaking strength	BS EN ISO 10545-4	≥ 1300 N	Conforms
Resistance to surface abrasion (glazed tiles)	Internal method *see classifications below		Class 5 – Natural, Bush Hammered & Grooved Class 4 – Krystal
Cracking resistance	BS EN ISO 10545-11	No visible signs	Resistant
Frost resistance	BS EN ISO 10545-12	No surface alteration	Resistant
Chemical resistance:			
Domestic chemicals & additives for swimming pools	BS EN ISO 10545-13	GB min.	Conforms
Stain resistance	BS EN ISO 10545-14	Min. Class 3	Conforms
Reaction to fire	Based on the decision 96/603/EC and its changes		A1 <sub>FL</sub> /A1
Recycled content			20%

#### \*Surface abrasion classifications

Class 4 - Heavy traffic. Floors suitable for areas subject to frequent foot traffic and heavy abrasion, e.g. corridors, balconies, terraces, private kitchens, hotel rooms and bathrooms.

Class 5 - Extra-heavy traffic. Floors suitable for areas subject to frequent foot traffic and heavy abrasion, e.g. bars, shops, hotels, restaurants, public buildings, offices, schools, and exhibition halls. Particularly suitable for areas in direct contact with the outside.

