Ruabon Quarry Tile Technical Data Sheet No. 20
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CERTIFICATE NO. FM39752 BS EN ISO 9001:2000

Member

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Clay Pavers -Technical Properties

- **Frost resistant :** Ruabon pavers are tested and proven to withstand 100 freeze/thaw cycles without damage.
- **Strength :** Exceptional compressive strength and impact resistance together with transverse strength far in excess of Class T4 requirements make ruabon pavers the natural choice for both vehicular and pedestrian applications.
- **Safety :** Superb slip and skid resistance from Ruabon drag- face pavers provide the specifier with total confidence for both pedestrian and vehicle usage.
- **Durability :** Extremely high abrasion resistance ensures that Ruabon paver installations provide extremely long design life.
- **Low Maintenance:** The colour of Ruabon pavers will not fade due to weathering and their low absorbency means high resistance to staining, oils etc.

Technical property	BS EN 1344 Requirement	Ruabon Clay Pavers Typical value
Dimensional Tolerances	Max Deviation 0.4√d (d = target dimension)	Less than 0.1√d for all dimensions
Range	Class R0 = No range Class R1 = Max. 0.6√d	Less than 0.2√d for all dimensions
Freeze/Thaw Resistance	Class FP0 = No determination Class FP100 = Frost resistant	Class FP100—Frost resistant
Transverse Breaking Load	Class T0 = No declaration Class T1 = 30N/mm mean, 15N/mm min. Class T2 = 30N/mm mean, 24N/mm min. Class T3 = 80N/mm mean, 50N/mm min. Class T4 = 830N/mm mean, 64N/mm min.	Class T4= 141—171N/mm mean, 100N/mm min
Slip/Skid Resistance	Class U0 = No determination Class U1 = 35 SRV Class U2 = 45 SRV Class U3 = 55 SRV	Class U3 - 72 SRV
Abrasion Resistance	Mean abraded volume not greater than: Class A1 = 2100mm² Class A2 = 1100mm² Class A3= 450mm²	Class A3 = 175mm
Acid resistance	Class C = Not more than 7% lost	Class C = < 0.5%
Fire Performance	Class A1	Class A1
Emission Of Asbestos	No Asbestos Content	Complies
Emission Of Formaldehyde	No Formaldehyde Content	Complies
Water Absorption	None Specified	4 - 5%

The latest European standard BS EN 1344:2002 Clay Pavers - Requirements and Test Methods was approved by CEN in December 2001 and issued in March 2002 as an updated and more stringent replacement for the previous British Standard BS 6677 which is now withdrawn.

The table above details the requirements of the standard together with actual Ruabon values obtained by independent testing at the laboratories of British Ceramic Research.

Ruabon Clay Pavers are manufactured under a quality system registered to BS EN ISO 9001:2000 which is audited twice annually by The British Standards Institution.

Dennis Ruabon Sales, Hafod Tileries, Ruabon. Wrexham LL14 6ET. Tel: 01978 843484 Fax: 01978 843276 E-Mail: sales@dennisruabon.co.uk