

CROSLAND HILL HARD YORK STONE

Petrographic Description

The material is predominantly medium to coarse grained sandstone.

The stone is a hard and strong material, generally well compacted. Suitable for all types of ashlar, worked masonry, paving and wall stone.

The mineral is quarried from an area that historically produces "Millstone Grit" stone.

Colour

Consistent buff colour with subtle tonal variations. A pale yellowish brown.

Quarry

Johnsons Wellfield Quarries, Crosland Hill, Huddersfield

TECHNICAL INFORMATION

BS EN 12059:2008
Natural Stone Products

Reaction to Fire		Class A1
Flexural Strength (3 pt) <i>BS EN 12372:2006</i>	Lower expected value	10.5 MPa
	Mean value	12.0 MPa
	Standard deviation	0.8 MPa
Frost Resistance <i>BS EN 13271:2010</i>	Change in mean flexural strength after 56 cycles	-10.84 %
Apparent Density	Mean value	2440 kg/m ³
Open Porosity <i>BS EN 1936:2006</i>	Mean value	7.53 %
Water Absorption by Capillarity <i>BS EN 1925:1999</i>		2616.38 g/m ² .Sec ⁻²
Water Absorption (at atmospheric pressure) <i>BS EN 13755:2002</i>	Higher expected value	2.27 %
	Mean value	2.19 %
	Standard deviation	0.05 %
Compressive Strength <i>BS EN 1926:2006</i>	Mean Value	118 MPa
Thermal Shock Resistance <i>BS EN 14066:2003</i>	After 20 cycles:	No loss of mass
	- No loss of mass - Decrease of dynamic elastic modulus <6%	0 %

The test results shown are an indication of the technical properties of the stone. Due to the character of natural sandstone, variations and changes may occur. These results are seen as indicative of the deposit.