

CORNISH DE LANK GRANITE

Cornish granite is a natural, close grained, silver grey stone, quarried from St Breward, Bodmin Moor, Cornwall. Supplied in any one of eight different finishes, it provides a high quality internal or external cladding for prestigious buildings and masonry for civil engineering, together with setts, kerbs and paving for landscaping projects.

Cornish granite is also highly durable; virtually indestructible, resistant to chemical and atmospheric attack and apart from normal cleaning, requires no maintenance. These properties also make it an ideal structural material for use in river or sea defences, walling, kerbs and flooring. It can be supplied, cut to your own drawings and because of our modern production methods; we can handle the largest or the smallest of contracts.

Standards

Manufactured to all relevant British Standards including BS EN 1343, BS EN1341 and BS EN771-6.

Standard Accessories

None.

Optional Accessories

Special fixings, fittings and cramps of stainless steel or phosphor-bronze. Polysulphide bedding or pointing materials.

Materials and manufacture

Natural Cornish granite. Cut to size with diamond saws, finished with texturing and polishing equipment and carved by skilled banker masons.

Dimensions

To customer's specification.

Weight

2640 kg/m³ approximately.

Appearance

Available with polished, honed, dolly pointed, fine axed, hand punched, flame textured, sawn or rock-faced finish.

Colour

Silver grey.

Effect of Moisture

Non-hygroscopic and an effective vapour barrier.

Water Absorption - 0.14%

Permeability - Impermeable.

Saturation Coefficient - 0.81%

Porosity - 0.46%

Temperature Range

May be used over a range of normal ambient temperatures.

Light Transmission

Nil.

Strength

Compressive strength 212 MPa.

Flexural strength 22.0 MPa.

Modulus of Rupture 17.64 MPa.

Young's Modulus 32.3 GPa.

Salt Crystallisation

Weight Loss - 0%.

Bulk Specific Gravity - 2.64.

Polished Stone Value (PSV) - 53.

Skid Resistance

<i>Surface Finish</i>	<i>Mean Value SRV</i>
Dolly pointed finish (9pt -fine picked)	87
Flame textured finish	76
Finely Axed	74
Honed	45
Polished	20

Effect of Sunlight

Not affected by exposure to sunlight.

Effect of Frost

Not affected by exposure to frost. Freeze-Thaw Test Result 0.01% weight loss recorded.

Effect of Fire

Non-combustible. Intense heat may cause the material to fracture.

Effect of Chemicals

Resistant to all common chemicals.

Resistant to insect attack and decay

Not liable to insect attack or to nourish mould growth.

Durability

The material is virtually indestructible. When used as cladding under all normal conditions of use its life is equal to that of the building.

Wind loading

No maximum for material. Wind load performance depends on fixing centres and methods.

Installation

May be fixed directly to a structural frame or to a continuous supporting surface. Suitable fixing methods include the use of bolts, cramps, dowels, hooks, projections or corbels. Panels may be bedded in mortar or polysulphide and joints can be cut on site and butted or interlocked.

Cleaning and maintenance

Water or steam cleaning may be used depending on surface texture.

Cost

Individual quotations for each contract. Price depends on finish.