

Sand lime mortar

Manufactured to B.S. 4721 1971 from a controlled blend of washed sand, matured putty lime and stable colour pigments, Marshalls sand lime mortar offers a number of advantages over traditional Sand:Portland Cement mortar mixes.

Workability

The highly workable and cohesive properties of lime based mortars ensure that the mix can be easily applied throughout all vertical and horizontal joints resulting in a fully integrated structure.

Consistency

Because Marshalls sand lime mortar is delivered ready mixed in bulk, the automated manufacturing process maintains a level of consistency not possible from on-site mixing.

Strength

Sand lime mortars have excellent strength characteristics, but still retain a degree of elasticity so that any slight movement of a building after construction can be accommodated without cracking.

Economy of use

Ready mixed mortar cuts out risk of inaccurate on-site mixing, with consequent savings in material wastage.

Weather resistant

British Standard code of practice "CP121 1973 for Walling" confirms that lime based mortars resist rain penetration through external walls more efficiently than any other mortar.

Availability

Within a radius of 40 miles from Doncaster, Marshalls sand lime mortar will normally be delivered within 24 hours of the order being placed.

Delivery and on-site storage

Delivery is made to site in bulk tipper loads. Sand lime mortar should be stored on a clean dry surface and kept sheeted to protect against the drying action of sun and wind. Sheeting will afford some protection against frost.

Performance

The number of bricks laid per tonne of ready mixed sand lime mortar ranges from 850-1200. As a guide for estimating, a ratio of 1000 bricks per tonne may be used. For internal block work a guide figure of 1500 blocks per tonne may be used (155 sq metres per tonne).

Mass

Approximate weight of sand lime mortar is 1500 kg/m cu.

Add-mixtures

Accelerator and waterproofing agents may be added to Marshalls sand lime mortar. For details regarding addition rates and suitability reference should be made to the "Concrete Add Mixtures Association," or to manufacturers literature.

Suitability

Marshalls sand lime mortar is suitable for all bricks and especially with reconstructed stone and concrete block work.

The following are recommended sand lime mortar colours to match the respective Marshalls walling materials.

Tudor Stone

York Stone	Straw	12
Multi Col	Straw	12
Light Grey	Black/Grey	8

Marshallite

Buff	Straw	22
Natural	Straw	12

Glenstone Split Bricks

Buff	Buff	17
Stainton Grey	Natural	
	Black/Grey	60 (contrast)

Cromwell Coursed Walling

Straw	12
-------	----

Samples

Sample bags of sand lime mortar are available for site trials.

Marshalls

Southowram Halifax HX3 9SY Tel (0422) 57155



Natural

Buff	17	Buff	22
Buff	30		
Straw	12	Straw	22
Straw	30		
Marigold	12	Marigold	20
Marigold	34		
Terracotta	7	Terracotta Terracotta	12 17
Terracotta	27		
Lilac Brown	16		
Lilac Brown	33		
Dark Brown	20	Dark Brown Dark Brown	30 40
Dark Brown	60		
Black Brown	20	Black Brown Black Brown	30 40
Black Brown	60		
Black Grey	8	Black Grey	15