

MULTIGROUT 60



HIGH FLOW CONSTRUCTION GROUT

Multigrout 60 is a heavy duty, single component, cementitious, non-shrink, highly flowable grout. It is a blend of modified cements and granular aggregate free from corrosive substances. Multigrout requires only the addition of water to produce a highly fluid grout with excellent penetration and levelling characteristics allowing easy placing by pump or pouring. This provides a strong, void-free fill which is durable and of low water absorption. Multigrout is mainly used for grouting under machinery baseplates, stanchion baseplates, transformers handrails and many other similar applications.



HIGH EARLY AND ULTIMATE STRENGTH

>60 N/MM² IN 28DAYS

NON-SHRINK

NO BLEED

HIGH FLOW

CHLORIDE FREE

TECHNICAL INFORMATION

PRODUCT INFORMATION		
FORM	Granular	
COLOUR	Grey	
MAX AGGREGATE	1.2mm	
HAZARD INFORMATION:	Contains cement. Consult Safety Datasheet before use	
CLEANING:	Clean tools, equipment, etc. using warm water. Mechanical means are necessary when the product has set.	
PACKAGING:	25 kg multilayer paper	
STORAGE INSTRUCTIONS:	Store unopened containers in a dark, cool, dry location away from extremes of temperature	
SHELF LIFE:	Minimum 6 months in unopened manufacturer's containers	
APPLICATION INFORMATION		
WATER DEMAND	Dry Pack – 2.5 to 3L per 25kg Trowellable – approx. 3.5L per 25kg Flowable – approx. 4.5L per 25kg	
APPLICATION TEMPERATURE	+5°C to +30°C	
WORKING TIME	Approx. 30 minutes	
APPLICATION THICKNESS	10 to 100mm (For thicker sections bulk out with clean 6mm stone at a rate of 1:1)	
YIELD	Approx. 13.7 L per 25kg bag	
TYPICAL PERFORMANCE INFORMATION		
SETTING TIME	Initial 180 minutes	Final 300 minutes
SHORT TERM EXPANSION	1%	
DENSITY	2100 kg/m³	
COMPRESSIVE STRENGTH	24hr 7 day 28day	25 MPa 40 MPa 65 MPa
FLEXURAL STRENGTH	28day	9 MPa
BOND STRENGTH	Typically >1MPa	

DIRECTIONS FOR USE

PREPARATION

All surfaces must be sound, clean, and free from any loose or friable material. Concrete surfaces must be free of any contamination, including curing membranes or sealers. For maximum bond, mechanically roughen surfaces. All surfaces must be saturated with clean water. Remove all surface water immediately before the application of Multigrout 60. Bolt holes, etc. should be blown clean of any dust, dirt or debris, or standing water. Metal surfaces should be free from rust, grease, oil or other contamination. Removable shims should be lightly oiled or greased. Formwork should be constructed to prevent leaks and located to minimise any exposed areas of grout.

MIXING

Mix each 25kg bag with approx. 4.5L clean water as follows, depending on the required working consistency. Multigrout should be mixed with the correct amount of water using a mechanical method, i.e. grout mixer or a low-speed drill and mixing paddle. Do not mix more grout than can be used in 10 minutes.

APPLICATION

It is recommended as a first stage to grout in any holding-down bolts to ensure they are adequately filled and void-free. Pour the grout into the pre-wetted tightly shuttered area using a header box so that a suitable head of grout can be maintained. Care should be taken to ensure that there is a continuous supply of mixed grout available as it is important to maintain a continuous flow of grout throughout the pour. Grout should be poured from one side only in such a way as to prevent any air becoming trapped under the plate. Ensure all trapped air is displaced by grout. If necessary, make breather holes and/or use chains or rods to aid flow. Multigrout 60 can be placed up to 100mm thick when used to grout below baseplates. For large applications, Multigrout can be pumped into position. Extra care should be taken due to the rapid setting to ensure the pump or hoses do not become blocked during stoppages.

FINISHING

The grout must be finished flush to the edge of baseplates. The easiest way of achieving this is to trim back the still 'green' grout after stripping formwork. This is normally achievable after 1-2 hours, depending on site conditions. Where this is not possible, exposed areas should be fully cured with application of an appropriate curing membrane, continuous water spray or damp Hessian.

RESTRICTIONS

Multigrout 60 is only recommended for use with static loads. For applications subject to dynamic loads or vibration, we recommend the use of Multigrout EP epoxy grout. Poor application procedures can result in voids under the baseplate which can greatly reduce the Effective Bearing Area. This increases the point loading on the grout and can result in failure. Cement based grouts should be finished flush or chamfered to the baseplate. This minimises the exposed grout area and reduces the risk of edge cracking. Ambient and substrate temperatures should be above 5°C during application. Freshly grouted areas should be protected from frost until the grout has fully hardened. When ambient or substrate temperatures are below 10°C, allow extra time for the grout material to harden before applying loads, tensioning bolts or removing formwork.

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Larsen Building Products 4 West Bank Road Belfast, BT3 9JL 17	
GB17/872895 EN1504-6 DOP No: DOP-1504-002 Anchoring Product	
Pull-out Displacement	≤0.6 mm at load of 75 kN
Chloride Ion Content	≤0.05 %
Reaction to Fire	Class A1
Release of Dangerous Substances	Complies with 5.3 Consult MSDS

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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