VERSION: 02

ISSUED: NOV 2024

LARSEN STREETSCAPE

TECHNICAL DATA SHEET

GUN POINTABLE MORTAR (GPM)

> 20 N/MM2 IN 28 DAYS

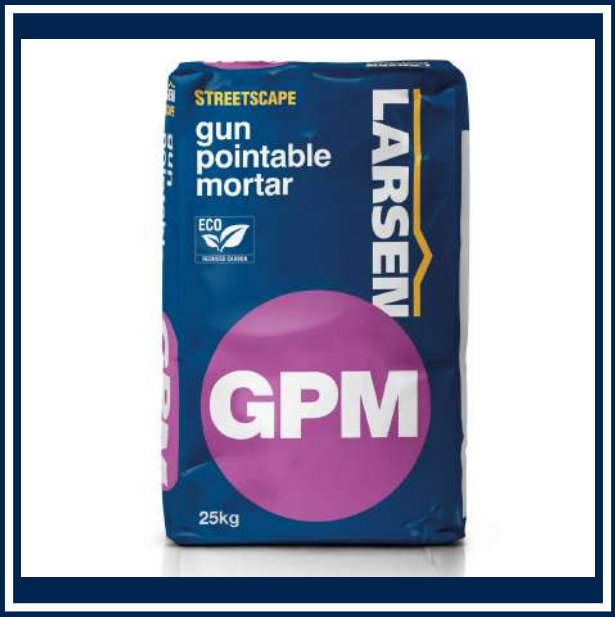
MIN. 5MM JOINT WIDTH

UP TO 150MM JOINT DEPTH

EASY TO USE

LOW SHRINKAGE

FROST RESISTANT



Larsen GPM Gun Pointable Mortar is a high strength gun applied jointing and pointing mortar. It is designed for gun-injection to provide a clean, water resistant, durable and colour consistent pointing and jointing solution. GPM is manufactured from specially selected fine aggregates, cements and additives and only requires the addition of water to produce a high quality mortar for rigid construction methods. The finished joints are highly resistant to water penetration, weather and freeze-thaw action. GPM is ideal for jointing natural stone paving and pointing sound brickwork, brick slips and natural stone walling.

For further information, consult our Technical Department.

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LARSEN

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PRODUCT INFORMATION

FORM	Granular
STANDARD COLOUR	Natural (Grey), Buff, Charcoal, White and other colours on request
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 bag
STORAGE INSTRUCTIONS	Store unopened containers in a dark, cool, dry location away from extremes of temperature
SHELF LIFE	Must be used within 6 months of date of manufacture

APPLICATION INFORMATION

WATER DEMAND	4.5 to 5.0L per 25kg
APPLICATION TEMPERATURE	+3°C to +30°C
WORKING TIME	Approx. 40 minutes
MINIMUM JOINT WIDTH	5mm
MAXIMUM JOINT DEPTH	150mm
COVERAGE	25kg will cover approx. 28 linear meters of joint 5mm wide x 10mm deep

TYPICAL PERFORMANCE INFORMATION

(Independent third party test results are pending. Results listed below are from internal reports)

BOND STRENGTH	> 1 MPa	
DRY HARDENED DENSITY	ca. 2000 kg/m3	
SETTING TIME	ca. 4hrs	
COMPRESSIVE STRENGTH	28 day	≥ 20 MPa
FLEXURAL STRENGTH	28 day	≥ 4 MPa
POT LIFE	30 - 40 min	

DIRECTIONS FOR USE

PREPARATION

All surfaces must be sound, clean, and free from any loose or friable material. For paving applications, GPM should only be used on rigid constructions. On pointing application where previous mortar has been raked out, ensure all dust has been removed and joint depth is at least 1.5 times width. All joints must be saturated with clean water but free from standing water.

MIXING

Mix each 25kg bag with 4.5-5.0L clean water. GPM should be mixed with the correct amount of water using a mechanical method, i.e. low-speed drill and mixing paddle. Mix for a minimum of 3 minutes, allow to stand for 2 minutes, then remix. To check consistency, fill the tube of pointing gun and shake, the mortar should 'hang' from the nozzle. Do not mix more product than can be used in approx. 40 minutes. Do not add more water or 'wet-up' mortar which has begun to set.

APPLICATION

GPM can be applied to joints from 5mm wide and up to 150mm deep. Joint depths should be ideally be a minimum of 1.5 times joint width. After filling pointing gun, place nozzle as deep as possible into the joint and inject the mortar. Fill the joint from the bottom and allow to slightly overfill joint. Allow mortar to stiffen before tooling as required. Any mortar remaining on the surface of the masonry or paving unit should be washed off before it has set. Use of excessive water and/or 'wash-boys' to clean the face of the joint and paving or masonry unit is not recommended as the high amount of water can result in efflorescence. Where colour is critical, always carry out a trial area of at least 1m2 and ensure the same batch of material is used. If in doubt contact our technical department for more advice.

RESTRICTIONS

Not suitable for use in flexible or unbound constructions. Not suitable for filling of live cracks or movement joints. Ambient and substrate temperatures should be above 3°C during application. Slight batch to batch colour variations may occur. Always work with the same batch of material where possible or premix batches to reduce visible variations. Fresh mortar should be protected from frost and inclement weather. When ambient or substrate temperatures are below 10°C, allow extra time for the material to harden. Efflorescence and Limebloom are natural phenomena affecting all cement based materials. Their occurrence are transitory and in no way affect the ultimate performance or durability of the product. Occurrences can be minimised by avoiding working in cold and damp conditions, protecting fresh mortar from excessive water during early age from clean-up operations and unfavourable weather until sufficiently cured to withstand them.

QUALITY

This product is manufactured in a plant controlled under an integrated management system third party certified to BS EN ISO 9001 and BS EN ISO 14001.