

STREETSCAPE GPM ECO



Larsen GPM Eco Pointing 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 Eco 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 Eco is ideal for jointing natural stone paving and pointing sound brickwork, brick slips and natural stone walling.

>15 N/ MM² IN 28 DAYS

5 MM JOINT WIDTH

UP TO 150 MM JOINT DEPTH

EASY TO USE

LOW SHRINKAGE

FROST RESISTANT



TECHNICAL INFORMATION:

PRODUCT INFORMATION	
FORM:	Granular
COLOUR:	Natural (Grey), Buff, Yorkstone, Charcoal, Black, White and other colours on request
MAX AGGREGATE:	1.2 mm
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 temperature
APPLICATION INFORMATION	
WATER DEMAND	4.0 to 5.0 L per 25 kg
APPLICATION TEMPERATURE	+3°C to +30°C
WORKING TIME	Approx. 40 minutes
MINIMUM JOINT WIDTH	5 mm
MAXIMUM JOINT DEPTH	150 mm
COVERAGE	25 kg will cover approx. 28 linear metres of joint 5 mm wide x 10 mm deep
TYPICAL PERFORMANCE INFORMATION	
POT LIFE	30-40 min
SETTING TIME	ca. 4hrs
DRY HARDENED DENSITY	ca. 2000 kg/m ³
COMPRESSIVE STRENGTH	28day >15 MPa
FLEXURAL STRENGTH	28day >4 MPa

DIRECTIONS FOR USE:

PREPARATION

All surfaces must be sound, clean, and free from any loose or friable material. For paving applications, GPM Eco 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 25 kg bag with 4.0-5.0 L clean water. GPM Eco 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 Eco can be applied to joints from 5 mm wide and up to 150 mm 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.