

PUMPABLE THIXOTROPIC MORTAR



Larsen PTM Pumpable Thixotropic Mortar is an easy to use, pumpable mortar. PTM is manufactured from a blend of specially selected aggregates, Portland cement and additives (including shrinkage reducing components) to provide an easily worked mortar which will remain in place without slumping or running out of gaps or joints. It is designed to provide a structural infill where grouting is inappropriate but can also be used to plug joints as an in situ shuttering prior to grouting being carried out.

HIGH EARLY AND ULTIMATE STRENGTH**>65 N/MM² IN 28DAYS****PUMPABLE****EASY TO USE****CHLORIDE FREE**

TECHNICAL INFORMATION

PRODUCT INFORMATION	
FORM	Granular
COLOUR	Grey
MAX AGGREGATE	0.6mm
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	4.5 to 5.0L per 25kg
APPLICATION TEMPERATURE	+5°C to +30°C
WORKING TIME	Approx. 60 minutes
APPLICATION THICKNESS	10 to 100mm
YIELD	Approx. 13.4 L per 25kg bag
TYPICAL PERFORMANCE INFORMATION	
SETTING TIME	ca. 5hrs
PLASTIC DENSITY	ca. 2220 kg/m ³
DRY HARDENED DENSITY	ca. 2100 kg/m ³
COMPRESSIVE STRENGTH	7 day >55 MPa 28day >65 MPa
FLEXURAL STRENGTH	28day >8 MPa

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 but free from standing water. Remove all surface water immediately before the application. 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.

MIXING

Mix each 25kg bag with 4.5-5.0L clean water. Pumpable Thixotropic Mortar should be mixed with the correct amount of water using a mechanical method, i.e. low-speed drill and mixing paddle. The mortar should be mixed to a consistency suitable for the intended application. Do not mix more product than can be used in approx. 30 minutes. Alternatively a suitable mixer pump system may be used.

APPLICATION

Place the mixed mortar into the pump unit and apply in accordance with the pump operation at a rate of not more than 15L per minute. Allow the mortar to stiffen before finishing with a steel trowel. As with all concrete, exposed areas should be fully cured with application of an appropriate curing membrane (for example Larcure 90), continuous water spray, polythene or damp Hessian as required.

RESTRICTIONS

Poor application procedures can result in voids and can result in failure. Ambient and substrate temperatures should be above 5°C during application. Fresh mortar should be protected from frost until the grout has fully hardened. Adequate curing is required to prevent cracking and fresh mortar should be protected from excessive draughts or strong direct sunlight. When ambient or substrate temperatures are below 10°C, allow extra time for the material to harden before applying loads, lifting, tensioning bolts etc.

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.