

VERSION: 03

ISSUED: AUG 2025

LARSEN

HIGHWAYS

TECHNICAL DATA SHEET

PM04

EASY TO USE

EXCEPTIONAL EARLY & ULTIMATE STRENGTHS

RAPID RETURN TO SERVICE

OPEN EARLY TO TRAFFIC

BED DEPTH 5-50mm

Larsen BBA/HAPAS PM04 is a two component multipurpose polyester resin mortar for use in the installation, raising and reinstatement of ironwork, up to and including installation Group 4 of BS EN 124 where rapid trafficking is required. It is ideal for fixing of utility access cover and frames, highways ironwork, duct frames and precast concrete units. It is particularly suited for use in critical locations and heavily trafficked areas. Supplied as a two pack fast-setting mortar it has been formulated for ease of use and easy placement. Complies to CD 534.



For further information, consult our Technical Department.

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LarsenBuildingProducts.com



TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	Granular 2 part Polyester Resin
COLOUR	Buff
MAX AGGREGATE	2mm
HAZARD INFORMATION	Consult Safety Datasheet before use RESIN - Flammable liquid and vapour. Harmful if inhaled. Irritating to skin and eyes, may be fatal if inhaled or swallowed and is suspected of damaging the unborn child. ADR Group 3 Class 3.
CLEANING	Clean tools, equipment, etc. using suitable solvent before product sets. Mechanical means are necessary when the product has set.
PACKAGING	25kg. Available in Winter Grade (Sept-Mar) and Summer Grade (Apr-Sept)
STORAGE INSTRUCTIONS	Store unopened containers in a dark, cool, dry location away from extremes of temperature
SHELF LIFE	Minimum 12 months in unopened manufacturer's containers

APPLICATION INFORMATION

SETTING TIME	15-20 min
TIME TO TRAFFIC	Vehicle Traffic - after 60 min (depending on site conditions)
BED THICKNESS	5-50mm
COVERAGE	25kg will cover approx. 1.5m ² @ 10mm
DENSITY	2000kg/m ³
STRENGTH	

	Compressive	Direct Tensile
1hour	60 MPa	8 MPa
2hour	70 MPa	9 MPa
7day	80 MPa	10 MPa
28day	85 MPa	12 MPa

DIRECTIONS FOR USE

PREPARATION

All substrates must be suitable to receive the bedding as per current good working practices. All substrates should be clean, dry and thoroughly sound and free from oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion.

MIXING

Remove resin tin and bag of filler/activator from tub. Empty contents of the tin into the tub and slowly add the filler/activator while mixing thoroughly with a slow speed drill and paddle. Mix to a uniform colour and consistency. Do not part mix. Always mix one full bag with one full tin. 2 or more packs may be mixed at the same time, but only mix enough material which can be used within 5-10min.

APPLICATION

Apply in a bed of 5 - 50mm in a single pass and should be placed typically within 5 minutes of mixing to allow time for adjustment. Typically place a bed of 5-10mm thicker than required to allow for adjustments. The frame should be placed onto the mortar bed without voids. Tamp the frame in place to achieve the required level. Any exposed mortar should be smoothly finished by float. After material has reached initial set backfilling can take place with, for example, Highways MBC10. Highways PM04 can receive traffic after 1 hour depending on site conditions. All works should be carried out in line with advice laid out in the relevant sections of the Design Manual for Roads and Bridges.

RESTRICTIONS

Speed of set and strength development will be affected by site and substrate temperature. Warm conditions will accelerate setting and cold conditions will slow setting. Highways PM04 will set at temperatures as low as 0°C but substrates must be frost free and dry. Do apply in wet conditions.