

HIGHWAYS RRC 05



Larsen Highways RRC05 is a rapid strength surfacing concrete designed for making good blemishes and repairs to all concrete surfaces such as roads, paths and driveways. It is also suitable for the installation of small ironwork, posts and access points for infrastructure and utilities.

SETS IN 15MIN
>15MPa WITHIN 2 HOURS
FROST RESISTANT
SHRINKAGE COMPENSATED
BED DEPTH 10-100mm



TECHNICAL INFORMATION

PRODUCT INFORMATION	
FORM	Granular
COLOUR	Grey
MAX AGGREGATE	5mm
HAZARD INFORMATION:	IRRITANT – 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 multi-ply paper bag
STORAGE INSTRUCTIONS:	Store unopened containers in a cool, dry location away from extremes of temperature
SHELF LIFE:	6 months in unopened manufacturer's containers
APPLICATION INFORMATION	
WATER DEMAND	25kg Bag + 3.0 – 3.5L water
APPLICATION TEMP:	+3 to +30°C
BED THICKNESS	10-100mm
WORKING TIME:	5-10 min
SETTING TIME:	15 min
COVERAGE:	25 kg will produce approx 12L of mortar
PERFORMANCE INFORMATION	
DENSITY	2200kg/m ³
COMPRESSIVE STRENGTH	2hr - >15MPa 28 day - >60MPa
FLEXURAL STRENGTH	28day - >8MPa

DIRECTIONS FOR USE

PREPARATION

All substrates must be suitable to receive the bedding as per current good working practices. All substrates should be clean and thoroughly sound and free from oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion. They should be pre-soaked but free from standing water. Preparations should be made to allow the placing of material within 5 minutes.

PRIMING

Priming is only required when RRC05 is used for patch filling and pothole repair in concrete hardstandings and pavements. In these cases the clean substrate should be primed with Streetscape PS and the RRC05 applied wet on wet to the primer.

MIXING

Add 12-14% water, i.e. 3.0 – 3.5L of water per 25kg bag to achieve the desired workability. Mix thoroughly by hand or with a suitable mechanical mixer. Should more water be added, the hardened properties of the product will be reduced. Highways RRC05 will begin to set in 10-15 minutes, do not try to remix or wet-up RRC05 which has 'gone off'.

APPLICATION

Depending on how it has been mixed, Highways RRC05 can be trowelled or poured into place. It can be applied in a bed of 10 - 100mm in a single pass and should be placed typically within 5 minutes of mixing to allow time for levelling. All works should be carried out with good concrete practice and 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. Protect freshly placed material from freezing until set. In adverse weather conditions, RRC05 should not be used if the temperature is below 3°C on a falling temperature or below 1°C on a rising thermometer.