

VERSION: 02

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LARSEN

BUILDERS MERCHANTS

TECHNICAL DATA SHEET

40N Concrete

HIGH STRENGTH

OVER 40 N/MM²

EASY TO USE

JUST ADD WATER

Larsen 40N Concrete is a blend of specially selected aggregates and cement designed to give a high strength traditional concrete. Ideal for drives, paths, garage floors, structural concrete applications, footings and concrete bases.



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For further information, consult our Technical Department.

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TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	Granular
COLOUR	Grey
MAX AGGREGATE	10mm
HAZARD INFORMATION	Contains cement. Consult Safety Datasheet before use
CLEANING	Clean tools, equipment, etc. using warm water, etc. Mechanical means are necessary when the product has set.
PACKAGING	25 kg plastic bag with internal plastic cement bag
STORAGE CONDITIONS	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	Depending on use add 1-2 L of water per 25kg
APPLICATION TEMPERATURE	+5°C to +30°C
WORKING TIME	Approx. 40-60 minutes
APPLICATION THICKNESS	25 to 150mm
PLASTIC DENSITY	Approx. 2350 kg/m ³
YIELD	1 x 25kg makes approx. 0.01m ³

TYPICAL PERFORMANCE INFORMATION

SETTING TIME	Initial	180 minutes
	Final	300 minutes
COMPRESSIVE STRENGTH	24 hr	10 MPa
	7 day	30 MPa
	28day	45 MPa

DIRECTIONS FOR USE

PREPARATION

All surfaces must be sound, clean and free from any loose material or contamination. For best results areas should be cut out leaving a square edge and surfaces mechanically roughened. All surfaces must be saturated with clean water but free from standing water or puddles.

MIXING

With mixing sheet - Open the bag, and removing the inner cement bag, empty the aggregate onto the mixing sheet. Make a well in the centre of the aggregate and, with care, empty in the contents of the cement bag. Add 1-2L water and mix thoroughly with mixing sheet (lifting alternating opposite corners) for 3-5 minutes.

Manual mixing, e.g. with a shovel, is possible and should be carried out on a clean board, taking care not to lose cement.

For best results the product should be mechanically mixed for 3-5 minutes with a suitable small concrete mixer.

APPLICATION

Apply within 40 minutes of mixing and fully compact in thickness from 25-150mm. Finish as required with trowel, tamp or brush. Newly finished concrete should be protected from drying out by covering with polythene sheeting or wet hessian (sacking) for a minimum of 7 days.

COVERAGE

1 bag will cover approx. 0.1m² @ 100mm thickness.

RESTRICTIONS

All work should be carried out to current best practice and industry guidelines. Final strength, finish and durability will be dependent on site application and conditions. Ambient and substrate temperatures should be above 5°C during application. Fresh concrete should be protected from frost until fully hardened. When ambient or substrate temperatures are below 10°C, allow extra time for the material to harden before applying loads or removing formwork. In warm and windy conditions take extra care to prevent rapid drying which may lead to cracks. The performance of this product is dependent on the user having the required skills and familiarity with the product and its application methods.