

# 40N CONCRETE



stone  
Federation  
Great Britain

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.

**HIGH STRENGTH  
OVER 40 N/MM<sup>2</sup>  
EASY TO USE  
JUST ADD WATER**



**TECHNICAL INFORMATION**

PRODUCT INFORMATION	
<b>FORM</b>	Granular
<b>COLOUR</b>	Grey
<b>MAX AGGREGATE</b>	10mm
<b>HAZARD INFORMATION:</b>	Contains cement. Consult Safety Datasheet before use
<b>CLEANING:</b>	Clean tools, equipment, etc. using warm water. Mechanical means are necessary when the product has set.
<b>PACKAGING:</b>	25 kg plastic bag with internal plastic cement bag
<b>STORAGE INSTRUCTIONS:</b>	Store unopened containers in a dark, cool, dry location away from extremes of temperature
<b>SHELF LIFE:</b>	Minimum 6 months in unopened manufacturer's containers
APPLICATION INFORMATION	
<b>WATER DEMAND</b>	Depending on use add 1-2 L of water per 25kg
<b>APPLICATION TEMPERATURE</b>	+5°C to +30°C
<b>WORKING TIME</b>	Approx. 40-60 minutes
<b>APPLICATION THICKNESS</b>	25 to 150mm
<b>PLASTIC DENSITY</b>	Approx. 2350 kg/m <sup>3</sup>
<b>YIELD</b>	1 x 25kg makes approx. 0.01m <sup>3</sup>
TYPICAL PERFORMANCE INFORMATION	
<b>SETTING TIME</b>	Initial 180 minutes      Final 300 minutes
<b>COMPRESSIVE STRENGTH</b>	24hr                      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 0.1m<sup>2</sup> @ 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.