



SUPASET L-1

**Guniting & Shotcrete Accelerator – Liquid Modified
Silicate Shotcrete**

DESCRIPTION

SUPASET L-1 is a quick setting and waterproofing compound available in liquid form for use with sprayed concrete or guniting.

USES

SUPASET L-1 is used for sprayed concrete and mortar in galleries and tunnels, for retaining walls, embankment and tank linings etc.

SUPASET L-1 admixed mortar sets rapidly, hence, quick placing of the wet mortar is essential.

ADVANTAGES

- ❖ Allows spraying to take place even on wet surface subject to slight infiltrations.
- ❖ Speeds the work and contributes to good water tightness of the sprayed concrete linings.
- ❖ Improves overhead spraying and reduces rebound.
- ❖ Does not contain any chlorides or nitrates and will not corrode steel.

PROPERTIES

Form	: Liquid
Colour	: Colourless
Specific Gravity	: 1.38 ± 0.02
pH Value	: 12 ± 0.05
Consistency	: SUPASET L-1 is formulated from modified silica materials and is manufactured under controlled conditions to give a consistent product.
Handling	: SUPASET L-1 is formulated from chemicals which present no fire or health hazards.
Storage	: If stored in undamaged sealed containers, in dry condition at normal ambient temperatures, a shelf life of 12 months can be expected.

METHOD OF USE

SUPASET L-1 may be used with either the “Wet or Dry” mix shotcrete process at an average of 5% to 8% by weight of cement.

RATE OF ADDITION

The optimum dosage should be determined by site trials. As a guide the rate of addition is generally in the range of :

Dosage (by wt.)	Initial Set
5% - 8%	80 sec. to 120 sec.

The above results are based on Gilmore Test using OPC – 53 grade cement.

PACKING

SUPASET L-1 is available in 200 ltr/25 ltr. Drums.

TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place.

SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee

NOTE : This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

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