

SURESPRAY

(FORMERLY C108 + C108R)

PRODUCT DESCRIPTION

DryPak Surespray and Surespray F are ready to use multi component cementitious based sprayed concrete mixes. These materials can be applied using either wet or dry shotcreting equipment.

The two grades are:

DryPak Surespray a coarse grade material with a maximum 5 mm aggregate.

DryPak Surespray F is a fine grade material with a maximum 2 mm aggregate.

SUPPLY

DryPak Surespray materials are available from the Customer Service Centre at the Birkenhead Works.

DryPak Surespray materials are pre-packed into easy to handle 20 kg multi walled paper bags.

SPECIFICATION

All products are manufactured under a third party certified manufacturing and supply quality assurance system to AS/NZS ISO 9002 (NCS Certification No 6041).

APPLICATION

DryPak Surespray materials are suitable for use in both civil engineering and mining applications such as:

- General Concrete Repairs
- Fireproofing of Steel Work
- Tunnel Linings
- Embankment Stabilisation
- Shaft Linings
- Ventilation Stoppings

ADVANTAGES

- Quality controlled factory blending for uniformity of mix.
- Excellent adhesion to prepared substrates.
- High strength and low permeability.
- Pumpable or trowellable.
- Little or not vibration needed.
- Ready to use with the addition of potable water.
- Does NOT contain Silica Fume

DIRECTIONS FOR USE

High quality, durable applications can only be achieved if adequate attention is given to the water addition, substrate preparation, priming of steel reinforcement, spraying by experienced nozzle men and curing.

Water Addition

Wet Spraying: approximately 2.0 l/bag to achieve a slump of 100 mm.

Dry Spraying: sufficient water at the nozzle to achieve a cohesive mix that will adhere to the substrate.

Substrate Preparation

Repair areas must be cut back to a depth of at least 10 mm to avoid feather edging and to provide a square edge. Re-entrant angles must also be avoided. On new work or where breaking out is not necessary the surface should be roughened. All surfaces must be free of dust, unsound material, plaster, oil, paint, grease, algae and corrosion deposits.

Steel Preparation

Any corroded steel in the repair area must be exposed, scale and corrosion deposits removed, cleaned to a bright condition and coated with an approved primer.

Spraying

The DryPak Surespray range of products should be applied using suitable gunning or shotcreting equipment. The operator must ensure thorough compaction of the material around the reinforcing. If any sagging occurs during application the DryPak Surespray must be completely removed and re-applied at a reduced thickness.

Finishing

DryPak Surespray can be finished by striking off with a straight edge and closed with a steel trowel. Different textures can be obtained by using a wood float or sponge.

Curing

As DryPak Surespray is a cementitious based material it must be cured for preferably 3 - 5 days in accordance with good concreting practice.

Good curing can be achieved by wet curing or by covering with plastic sheeting.

TYPICAL PROPERTIES

The following results were obtained:

Test Method	Typical Result	
Compressive Strength	Surespray	Surespray F
AS 1012.14-1991 1 Day	16 - 20	14 - 18
3 Days	38 - 42	35 - 39
7 Days	49 - 55	47 - 51
28 Days	59 - 65	52 - 58
Density dry powder	Approx 1700 kg/m ³	
Density sprayed material	2150 - 2250 kg/m ³	
Theoretical Yield (2.0 l water addition)	10 l/bag (0.010 m ³)	

Note; Yields calculated are theoretical only. No allowance has been made for rebound, cut off or waste.



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HANDLING AND STORAGE

Manual handling of bag products without due care and attention may result in personal injury. Unless you have been trained in manual handling methods it is suggested that you share the load with another person.

The DryPak Surespray range of products can be stored for up to one (1) year provided it is stored in a dry place and protected from ingress of moisture.

SAFETY INFORMATION

For safety information refer to the Material Safety Data Sheet for DryPak Concretes.

CONTACT POINTS

For further information contact the Sales & Marketing Department at:

Adelaide Brighton Cement
A.B.N. 96 007 870 199
62 Elder Road
BIRKENHEAD SA 5015

Telephone: (08) 8300 0300

Facsimile: (08) 8341 1591

Web Site: <http://www.adbri.com.au>

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