



PRODUCT DATA SHEET

CRYST-O-FLEX

FLEXIBLE WATERPROOFING SLURRY

DESCRIPTION

CRYST-O-FLEX is a ready to use flexible slurry based on a special synthetic resin dispersion and a blend of selected cements mixed with carefully graded aggregate.

PRINCIPAL USES

CRYST-O-FLEX is used for the waterproofing of concrete and cement structures and surfaces including:

- Protection and repair of balconies and terraces
- Waterproofing of old and new structures
- Waterproofing of tanks, containers and water reservoirs
- Wet Area waterproofing
- Concrete protection of bridges and wharves
- Other concrete or cement structures

SURFACE PREPARATION

The surface must be clean, free of dust, loose particles, cement laitance, grease, rust, curing compounds and any other loose material.

Exposed steel reinforcement should first be treated with a suitable anti-corrosive material. Rough and any honeycomb areas should first be treated using either a sand and cement mix or other suitable repair mortar.

Advice regarding the treatment of large or severe cracking should be sought from one of our offices or agents before the commencement of remedial work. Porous surfaces should be pre-wet using clean water prior to the application of CRYST-O-FLEX. The surface should be damp, but free of surface or running water.

MIXING

It is essential to use a mechanical mixer such as a low speed electric drill fitted with a suitable paddle.

Fill approximately three quarters of Part A into the pail and whilst stirring add Part B. Mixing must continue until the mix is homogeneous and free of lumps. For horizontal areas such as reservoir bases, add the balance of Part A. For other applications further add only sufficient of Part A ensuring a suitable consistency.

APPLICATION

CONDITIONS

Do not apply CRYST-O-FLEX if the temperature is below 5°C or above 40°C. Whilst curing CRYST-O-FLEX should be protected from heavy winds and intensive sunshine. CRYST-O-FLEX should be kept moist for a period of 24 hours after initial set by the application of a light spray of clean water.

CRYST-O-FLEX may be applied to correctly prepared surfaces by short bristled block brush, brush, rubber squeegee, trowel or spray.

Using a short bristled block brush apply CRYST-O-FLEX in three coats to provide a final film thickness of between 1.5 and 3mm on horizontal surfaces. Alternate coats should be applied at right angles to each other allowing 16hrs between coats.

When using a trowel onto horizontal surfaces CRYST-O-FLEX should be applied to a thickness of 1 to 1.5mm using a standard trowel. Allow to cure for approximately 16hrs and then apply a second layer using a notched trowel. This should be immediately levelled with a spiked roller. The first coat on vertical

surfaces should be applied with a notched trowel and the second coat with a flat trowel. Do not apply CRYST-O-FLEX thicker than 1.5mm per coat. For spray application details please contact one of our offices or agents.

PRECAUTIONS IN USE

Observe standard industrial hygiene. The use of rubber gloves and goggles is recommended.

PROPERTIES OF CRYST-O-FLEX

POT LIFE	@ 10°C	2Hrs
	@ 20°C	1Hour
	@ 30°C	0.5 hours

HARDENING TIME

Recoatable	16hrs
Resistant to mechanical stress	3 days
Full cure	7 days

RESISTANCE TO WATER PRESSURE AFTER 7 DAYS

POSITIVE PRESSURE 20 ATMOSPHERES (300 p.s.i.)

NEGATIVE PRESSURE 4 ATMOSPHERES (60 p.s.i.)

CLEANING

Tools must be cleaned with water before the CRYST-O-FLEX has been allowed to cure.

SHELF LIFE

12 months tightly closed in original packaging - store under dry, cool conditions.

DO NOT ALLOW PART A TO FREEZE.

PACKAGING

15kg Units

Data quoted is typical but does not constitute a specification.

The information contained herein is given in good faith based upon our experience, knowledge and current information but without guarantee and the company accepts no liability whatsoever for its accuracy nor loss or damage arising therefrom. The information is given as a guide only and should not be construed as a full specification. Further information should be sought from the company or agents regarding specific projects or applications.

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COVERAGE: 1 to 3 Kg / M²