

Setseal Crete

A Waterproof acrylic modified coating for concrete



Description

Setseal Crete is a one component modified acrylic liquid co-polymer specially formulated for use as a bonding agent, waterproof coating when mixed with cement and as a general concrete repair system when mixed with cement and fine sand. Setseal Crete is designed for maximum performance under the alkaline condition of cement mixes. Unlike PVA systems, the bond film will not hydrolyse under wet conditions and can therefore be used externally, internally and in submerged conditions.

Applications

Setseal Crete is ideally designed for use as a brushable waterproof system with outstanding water resistance and a stabilized system which gives high mechanical strength and chemical resistance to cementitious mixes.

Advantages

- ▲ One component, easy to use.
- ▲ High bond strength.
- ▲ Suitable for use in hot areas.
- ▲ Can be used internally, externally and for submerged conditions.
- ▲ Can be used as a curing agent eliminating the need for water curing.
- ▲ Outstanding water resistance.
- ▲ Prevents salt penetration into concrete.
- ▲ Non toxic system.

Method of Use

Substrate Preparation

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by light scabbling or grit blasting. Corroded steel should be fully exposed and cleaned to bright conditions by grit blasting or by wire brush. Exposed steel reinforcements should be protected by applying one full unbroken coat of zinc rich epoxy such as Repcoat ZR and allowed to dry. All surfaces should be presoaked with clean water prior to applying Setseal Crete.

1) As a waterproof render:

10 kg of cement is mixed with 5 kg of Setseal Crete and the mix has to be stirred thoroughly until no air bubbles remain in the mix and any lump found in the mix should be removed.

Technical Properties @ 25°C:

Tensile bond strength:	> 1 MPa @ 7 days
Colour:	White emulsion based on modified acrylic emulsion
Density:	1.01 ± 0.01
pH:	7 ± 1
Application temperature:	10 - 35°C
VOC:	< 15 g/ltr

Mixing systems:

	Slurry brush application water-proof coating	Topping trowel application re-pair render
Setseal Crete:	50 kg	50 kg
Cement	100 kg	100 kg
Fine sand	0	100 kg
Mixed density:	1.75 ± 0.05	1.85 ± 0.05
Pot life:		
@ 25°C	35 - 45 min	25 - 35 min
@ 35°C	30 - 40 min	10 - 20 min

If necessary, little water can be used to obtain the required consistency. The mix has to be applied by brush on rendered or prepared surfaces. Two or more coats are recommended. First coat should be allowed to air dry for 5 - 6 hours. The surface should be made wet before application in case of porous structures.

The waterproofing system can be reinforced by using fibreglass fabric. The fibreglass sheet should be spread on the applied area before drying.

This system is suitable for basements, toilets, terraces, roofs, swimming pools, water towers,...etc.

2) As a concrete repair render:

Setseal Crete should be used as gauging liquor for mortars/screeds, maintaining the dosage of 50 kg of Setseal Crete/100 kg cement.



Setseal Crete

Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

Packaging

Setseal Crete is available in 5 and 20 kg containers.

Coverage

Approximately 3 - 3.5m²/kg when used as a waterproofing slurry @ 500 micron thickness/ coat.

Approximately 0.4 - 0.45m²/kg when used as a repair render topping @ 5 mm thickness.

Storage

Setseal Crete has a shelf life of 12 months from date of manufacture if stored in a shaded place at a temperature of 25°C in original unopened packaging.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

Setseal Crete should not be swallowed. Gloves and eye protection should be worn.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice.

For further information refer to the Material Safety Data Sheet.

Fire

Setseal Crete is nonflammable.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.




Note:

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.

 expertise

 quality

 full range

www.dcp-int.com