



WATERPROOFING

GROUTS

M I D D L E E A S T

# ALSAN CAP-C

## SHRINKAGE COMPENSATED REPROFILING MORTAR

TECHNICAL DATA SHEET 170729SME2E

### DESCRIPTION

ALSAN CAP-C is a single component, shrinkage compensated, pile cap re-profiling and repair mortar manufactured from selected cements, aggregates and additives. ALSAN CAP-C is manufactured from high strength cement, special aggregates and additives all collectively are designed to provide a high strength, flowable, ready-to-use formula to serve the purpose of reprofiling irregularities in concrete and void filling of structural deformations.

### USER APPLICATIONS

ALSAN CAP-C can be used in various application mainly for:

- Large volume structural repairs
- Top of the pile cap reprofiling
- General void filling of concrete

### INSTALLATION GUIDELINES

- **MIXING:** Add ALSAN CAP-C to water and mix for three (3) to five (5) minutes using a forced action mechanical manual mixer until a smooth and an even consistency is obtained. When using a concrete automatic mixer ensure to mix slowly while pouring ALSAN CAP-C.
- The formwork should be tightly sealed and rigid enough to prevent loss of material during application. Seal around formwork with a tight tape or other mortar material to avoid loss of product or water during curing of ALSAN CAP-C.
- Several hours prior to placing ALSAN CAP-C, saturate the substrate by filling the formwork with clean water. Immediately before the placement of ALSAN CAP-C, completely drain out water and seal the drainage outlets while leaving the substrate in a saturated-surface-dry (SSD) condition. If the formwork cannot be filled with water, the substrate must be thoroughly hosed down with clean water to achieve an equal level of saturation.
- **POURING:** Apply ALSAN CAP-C at a minimum thickness of 15 mm. Immediately after mixing, pump or pour ALSAN CAP-C into the formwork. No vibration is required.
- **CURING:** Leave formwork in place until the compressive strength has reached 15 MPa (2200 psi).
- Proceed with a wet cure immediately after initial set using bonding agent or wet hessian or water soak / polyethylene wrap.

### RESTRICTIONS

- Especially in hot weather conditions and to achieve the best results it is extremely important to allow time for curing of ALSAN-C to avoid cracking or disintegration. Sprinkle water on the surface after 8-12 hours of application and repeat every 3-4 hours at least first 48 hours.
- For cold weather application, refer to ACI 306R Cold Weather Concreting. For hot weather application, refer to ACI 305R Hot Weather Concreting.
- Leave formwork in place for minimum 24 hours.

### SUSTAINABILITY, HEALTH & ENVIRONMENT

All our activities & growth target sustainable development to minimize the impact on the environment. ALSAN CAP-C does not contain any substances that might be detrimental to health or to the environment and complies with generally accepted health standards. Please refer to the product's Safety Data Sheet for more information.

- VOC Compliant
- High Compressive Strength
- Low Permeability
- Cures to a Seamless Membrane
- Self-Levelling
- Self-Compacting

SOPREMA may modify the composition and/or utilization of its products without prior notice.  
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## PACKAGING

SUPPLY DATA	ALSAN CAP C
Packaging	25 kg (55 Lb) bag

## TECHNICAL PROPERTIES

PROPERTY	VALUE
Compressive strength 24 hours 7 Days 28 Days	18 MPa (2600 psi) 45 MPa (6525 psi) 65 MPa (9425 psi)
Chloride content	< 0.1 % by weight
Permeability	< 10 mm

(All Values are nominal)

## YIELD INFORMATION

WATER CONTENT	YIELD
3.3 to 3.5 liters per bag (dependent on consistency required)	12 liters ( 0.42 ft <sup>3</sup> )

## STORAGE AND HANDLING

- ALSAN CAP-C should be stored in a properly ventilated and covered place to avoid damage of material from rain water.
- ALSAN CAP-C has a shelf-life of 18 months when properly stored under 25 °C.

## QUALITY CONTROL

ALSAN CAP-C is manufactured in ISO-9001 certified SOPREMA factories which are audited by third-party organizations such as Underwriters Laboratories (UL) and FM Global. The product is manufactured to meet SOPREMA's Quality Management Manual.

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