

# SAXON GUARD C-24

## DESCRIPTION

**SAXON GUARD C-24** is a two pack, cementitious composition, designed as a high quality sealing and finishing mortar. It has excellent adhesion to steel and existing concretes. It is chip-resistant and flexible. **SAXON GUARD C-24** contains Portland cements blended and formulated with chemical admixtures, graded high quality aggregates and modified by the addition of a synthetic co-polymer latex liquid as the gauging solution.

## TYPICAL USES

Uneven surfaces can be levelled and smoothed using **SAXON GUARD C-24** in addition to filling of blow-holes and other blemishes on concrete surfaces.

**SAXON GUARD C-24** is used as an adhesive for wall and floor tiles and as a bonding agent for brick, concrete, plaster, steel and many other building materials.

**SAXON GUARD C-24** is employed as a coating to protect concrete against water/chloride ingress, both on new structures and after patch repairs.

**SAXON GUARD C-24** can be used to damp-proof and waterproof cellars, basements, tanks and walls both on internal and external concrete and blockwork.

## ADVANTAGES

- Provides a flexible, impact resistant sealing layer
- Is easy to apply by brush, roller or steel float
- Levelling coats of **SAXON GUARD C-24** have extremely low permeability and provide excellent protection against ingress of salt solutions.
- Subsequent paint coats can be applied with greater economy
- Excellent adhesion to clean surfaces
- Can be tinted to most RAL colours

## PRODUCT DATA

### General:

#### Pack A – Latex Liquid:

Appearance: White liquid  
Specific Gravity: 1.03 at 20°C  
Shelf Life: 12 months in unopened containers

#### Pack B – Powder Component:

Appearance: Grey powder  
Shelf Life: 12 months in unopened containers

### Packaging

SAXON GUARD C-24  
PACK A: 5 Litre Polythene Container  
PACK B: 21 KG Bag

### MIXING RATIO:

Fairing Coat: 1:4.2 by weight  
Trowellable putty: 1:6.0 by weight



#### APPLICATION:

##### Fairing Coat:

Yield:	13.5 litres per 26kg pack
Coverage:	13.5m <sup>2</sup> per pack at 1mm thick
Mixed Density:	1950kg/m <sup>3</sup>
Elongation at Break:	20%
Water Addition:	Nil under most circumstances. Small additions are permissible to increase workability slightly.
Workability:	Thixotropic trowellable
Working Time:	30 minutes at 20°C
Water/Cement Ratio:	0.53
Polymer/Cement Ratio:	0.35
Maximum Layer Thickness:	0.5mm
Maximum Recommended Thickness:	3mm

##### Trowellable Putty:

Mixed Density	1900 kg/m <sup>3</sup>
Compressive Strength, BS6319 Part 2:	
7 days	8.0 N/mm <sup>2</sup>
Flexural Strength BS6319 Part 3:	
7 days	5.5 N/mm <sup>2</sup>
Tensile Strength ASTM C190:	
7 days	2.0N/mm <sup>2</sup>
Compressive Modulus, 7days	2100 MPa

#### STORAGE

Store in dry conditions, out of direct sunlight, at temperatures above 0°C.

#### PROCEDURE

##### Surface Preparation

All surfaces must be clean and sound. It is recommended that to promote adhesion between **SAXON GUARD C-24** and the underlying substrate, all surface laitance should be removed by grinding, wire brushing etc, ensuring all dust and debris are removed before application. All surfaces should be thoroughly wetted before starting and be in a moist condition during placing.

Any free surface water must be removed before application.

##### Mixing

Pour the liquid, Pack A, into a suitable container and stir well with a slow speed paddle stirrer. The powder, Pack B, is added slowly until the desired consistency is obtained.

Alternatively, this operation may be carried out in a pan mixer.

Ensure thorough mixing of the mortar to a cohesive and lump free mix. Consistent results will be obtained by using exact timings for each operation.

## Application

### Smoothing, finishing and sealing mixes

Mix to a smooth trowellable slurry paste and apply using a float or trowel in 1 or 2 coats at a coverage rate of 2 kg/m<sup>2</sup> (1mm). Brush application is also possible but 2-3 coats may be necessary.

Following the first coat, subsequent coats may be applied at 4-6 hour intervals, depending on ambient conditions.

### Trowellable putty mixes

Mix to a trowellable paste consistency using a reduced quantity of gauging liquid and apply to blowholes or surface defects with a trowel or steel float.

### Curing

While the incorporation of an acrylic polymer reduces the tendency of the mortar to lose water and crack under the strains due to drying shrinkage, good curing practice is still necessary, particularly in arid conditions.

To protect against drying, **SAXON GUARD C-24** must be cured with polythene sheeting or wet hessian immediately after finishing. Keep the mortar above 8°C for the first 7 days.

## HEALTH AND SAFETY

**SAXON GUARD C-24** is non-hazardous. Ensure work is carried out cleanly and wear protective clothing. In windy conditions wear a filter mask to avoid inhaling dust. Wash off splashes from skin with soap and water. Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought if irritation persists.

Please refer to Material Safety Data Sheet for additional information

**SAXON GUARD C-24** shall be applied strictly in accordance with the manufacturer's instructions

For specific advice regarding any aspect of this product, please consult our Technical Department.

## GENERAL INFORMATION

Apply all products in accordance with BS 6150: 2006 Code of practice for painting of buildings and BS 8000: Part 12: 1989 Code of practice for decorative wallcoverings and painting.

Every care is taken to ensure that all information provided on this Technical Data Sheet is accurate. Final results cannot be guaranteed by the manufacturer as it has no control over the conditions under which its products are applied.

For help or more information contact Saxon Paints or visit our website at [www.saxonpaints.com](http://www.saxonpaints.com) Before using this product please ensure you have the latest information. The information is correct at date of issue February 2022.

## WARRANTY

SAXON PAINTS warrant its title to the product, that the quality of the product conforms to Saxon Paints' specifications for such product in effect at the time of manufacture and that the product shall be delivered free of the rightful claim of any third person for infringement of any patent covering the product. This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Saxon Paints' technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. These are the only warranties that Saxon Paints makes and all other express or implied warranties, under statute or arising otherwise in law, from a course of dealing or usage of trade, including without limitation, any other warranty of fitness for a particular purpose or use, are disclaimed by Saxon Paints. Any claim under this warranty must be made by Buyer to Saxon Paints in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify Saxon Paints of such non-conformance as required herein shall bar Buyer from recovery under this warranty. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Saxon Paints' representative for approval before commencing the work.

## LIMITATIONS OF LIABILITY

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