

# STEEL PRIMER

## Product Codes

ACR01, ACR04, Packaging listed overleaf

## Description

Steel Primer is a prepackaged acrylic modified cementitious protective system for steel reinforcement. The system mix design contains Portland and microsilica cements, a redispersible acrylic co-polymer, a synergistic blend of admixtures including a powerful corrosion inhibitor. The powder is quickly and easily mixed with water to produce an alkaline coating which, when painted onto steel reinforcement, will protect the steel from chlorides, acid gases and water vapour. The powder is packaged in 20kg moisture resistant bags and 5kg plastic tubs. The product is ready for on site mixing. The mixed material has a paint-like consistency and is applied by brush. The applied coating has excellent adhesion to steel.

**Uses include:** Brush application onto steel reinforcement to provide a protective coating against the penetration of chlorides, moisture, oxygen and acid gases. Suitable for use in both concrete repair and new construction situations. Used in conjunction with Tecroc Concrete Repair Systems

## Typical Coating Properties @ 20°C

<b>Water content</b>	35% of powder weight 7 litres per 20kg bag 1.75 litres per 5kg tub
<b>Consistency</b>	Paint-like
<b>Consistency life</b>	30 minutes
<b>Density</b>	2000kg/ m <sup>3</sup>
<b>Rate of cover</b>	1.5kg powder /m <sup>2</sup>
<b>1mm dry film thickness</b>	

## Standards

Steel Primer has been tested in accordance with the appropriate parts of the following standards:  
B.S. 1881

## Specification Outline

Protection of reinforcing and other steel units shall be carried out using Steel Primer as manufactured by Tecroc Products Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

## Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

## Instructions For Use

### Preparation

Where chlorides or other chemical attack have led to the oxidation of the steel reinforcement, all rust, scale and corrosion products should be removed back to bright metal. Severely corroded reinforcement should be cut back and replaced. Steel should be free from oil, bitumen, dust, diesel, loose material or any other surface contaminants.

### Mixing

Steel Primer is supplied in 20kg bags and 5kg tubs. The water requirement to produce a coating consistency is 35% of the powder weight, 7 litres per 20 kg of dry material or 1.75 litres per 5kg of dry material. Pour the required quantity of water into a suitable mixing vessel. Slowly add the powder to the water whilst continuously mixing. Mechanical mixing is recommended. Suitable mixers include a slow speed high torque drill with a Mortar Stirrer. Mixing should be continued for one minute after all the powder has been added to the mixing water to achieve a smooth creamy consistency.

### Application

Steel Primer should be brushed onto the steel reinforcement to give a continuous cover of 1mm. Do not exceed 1mm dry film thickness.



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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## Precautions

### Health and Safety

Steel Primer is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice.

Full health and safety data are given in Product Safety Data Sheet.

### Fire

Steel Primer is non-flammable

## Yield

Each 20 kg bags will yield approximately 13.5 litres of mixed coating.

Each 5 kg tubs will yield approximately 3.4 litres of mixed coating.

## Storage And Shelf Life

Steel Primer will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures or high humidity may reduce the shelf life.

## Packaging And Ordering

Steel Primer is supplied in 20kg bags and 5kg plastic tubs.

5kg Plastic Tub

Product Code ACR04

20kg Bag

Product Code ACR01

For further information and sales please contact your local Tecroc Products office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.

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