

TERRACAULK 30

Product codes

TCK, 01, Packaging listed overleaf

Description

Terracaulk 30 is a Portland cement powder mix designed for easy mixing and placing in shafts and tunnel areas. The mixed product may be hand applied into caulking grooves within segmental concrete linings. Terracaulk 30 may also be used to cap off bolthole pockets. The mix design for Terracaulk 30 contains a blend of Portland cements, pulverised fuel ash, high quality graded silica sands and additives to assist with mixing, placing and hardening. Terracaulk 30, once applied is easily finished to the required profile. The product is chloride free and is safe to use in contact with steel elements.

Uses include: Caulking of pre-cast concrete segmental tunnel linings.
Filling of bolthole entry points to protect steel bolt heads.

Typical Mortar Properties at 20 °C

Compressive Strength

1 Hour	1 Day	7 Days	28 Days
0.5N/mm ²	7N/mm ²	14N/mm ²	23N/mm ²

Usable Life: Approximately 20minutes depending on specific use.

Density: 1860 kg/m³

Specification Outline

Caulking applied to segmental caulking grooves shall be carried out using Terracaulk 30 as manufactured by Parex Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Accreditations

Parex Ltd has an integrated management system which is externally accredited to ISO9001:2008, ISO14001:2004 and OHSAS18001:2007.

This product also conforms to BES 6001.

Standards

Terracaulk 30 has been tested in accordance with the appropriate parts of EN 12390.

Instructions For Use

Preparation

Contact surfaces should be sound and clean. Slight dampening of the surfaces will assist adhesion.

Priming

No priming is necessary other than the slight dampening of the contact surfaces. Any standing water must be removed.

Mixing

Terracaulk 30 is supplied in 25kg bags. The water requirement to achieve a good caulking mortar is 4.75 litres to 5.00 litres per 25kg bag. Pour the required quantity of water into a suitable mixing vessel. Slowly add the powder to the water whilst continuously mixing. Mechanical mixing should be used if required using a slow speed high torque drill with a Mortar Stirrer or a forced action mixer such as the Creteangle

Placing

Ensure contact surfaces are clean from dust and are dampened prior to placing the mixed mortar.

Curing

No specific curing is required. Placed material should be protected from drying out too quickly.

Precautions

Health and Safety

Terracaulk 30 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.

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Precautions

Fire

Terracaulk 30 is non-flammable

Yield

Terracaulk 30 is packed in 25kg plastic bags. The yield obtained from each bag mixed with 4.75 litres of water is approximately 16 litres of mixed material.

Storage And Shelf Life

Terracaulk 30 is packaged in 25kg plastic bags which should be stored under cover and protected from rain and frost. The product will have a shelf life of 3 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures and high humidity may reduce the shelf life.

Packaging And Ordering

Terracaulk 30 is supplied in:

25kg plastic bags Product Code TCK 01

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

Parex Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Parex Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Parex 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.