

CWC® Smart Anchor

2-COMPONENT POLYESTER RESIN ANCHOR GROUT

Description

Smart Anchor is a two-component, polyester resin based, anchoring grout. It consists of a low viscosity polyester resin plus a catalyzed filler. The two components are mixed to produce a filled resin grout, which may be poured or pumped into suitably prepared anchor holes. The mixed grout is colored dark grey and is used for downward facing holes where the hole diameter is up to 25mm greater than the bolt or bar diameter. The Product is used for the fixing of steel bolts into pre-drilled holes within concrete, rock, brickwork, stonework, masonry and other substrates capable of supporting the required load. Available in both winter and summer formulations, giving a wide range of application temperatures.

Indicative characteristics

| | |
|-----------------------|---|
| Packaging | 1kg pail (A+B) packaging. |
| Shelf life | 18 months from date of manufacture |
| Storage conditions | Store properly in dry conditions in undamaged and unopened original sealed Storage at high temperatures or high humidity may reduce the shelf life. |
| Appearance and colour | Dark grey when mixed |
| Density | ~1800 kg/m ³ |

Standard Compliance







Materials tested in accordance with

BS 4551

BS 5080






BS 2782

Advantages:

-  Rapid setting. High early strength gain.
-  re-batched for ease of mixing.
-  Contractor friendly packaging size.
-  Corrosion resistant. Non-shrink.
-  Tested in accordance with the relevant parts of BS 6319 and BS 5080.
-  Winter and summer grades available.

Domains of application

Smart Anchor may only be used by experienced professionals. The Product can be used with the following:

-  Reciprocating machinery.
-  High impact loads.
-  Permanent installation of reinforcement starter bars, foundation bolts, base plates, balustrading, barriers and safety fences,
-  railway tracks, tie-back anchors, reinforcement dowelling abutments,
-  ground anchors for towers, cranes, dock sills.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Holes should be drilled using rotary percussive drills with air or water flush. The drill bit should be of the integral type with an elliptical head. Holes which are diamond cored should be under-reamed or roughened. Holes which are drilled with a rotary percussive nonflushing drill bit should be cleaned using a steel rotary brush. Loosened dust should be blown out of the hole using compressed air through an extension tube reaching the bottom of the hole. Cast holes should taper so that the hole diameter is smaller at the mouth than the bottom. Steel bars used for anchoring should be deformed such as those manufactured to BS 4449. Threaded bars may be used. When using smooth bars an extra safety factor should be incorporated into the anchor design.



MIXING

Place contents of resin can into a plastic container or pail. Slowly add catalysed filler whilst mixing. Continue mixing until a uniform colour is achieved (approximately 2 minutes). Correct mix proportioning must be used to achieve the designed anchor strength.







APPLICATION

Pour mixed grout into prepared holes, rodding if necessary to ensure grout flows to the bottom of the hole. Once grout has been placed insert bar into hole and gently twist and press home to the required depth. The bar should be left undisturbed until the grout has hardened.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with CWC® Grimelift Cleaner immediately after use. Hardened / cured material can only be removed mechanically.

Health & Safety

-  Avoid contact with skin / eyes and avoid swallowing.
-  Ensure adequate ventilation and avoid inhalation of vapour.
-  Wear suitable protective clothing, gloves and eye protection.
-  In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
-  In case of eye contact, wash with plenty of clean water and seek medical advice.
-  If swallowed, seek medical attention immediately. Do not induce vomiting.

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on www.cwcchemicals.com

Packaging

Available in cartons containing 1 kg x 16 Nos.

Additional information

The CWC range of associated products include high strength cementitious, epoxy grout, polyester resin-based mortar, Resin anchoring systems. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products.

Shelf Life: If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months.

Concrete Works Construction Chemicals Private Limited (CIN: U74999PN2021PTC199740)

Corp. Office: Office No. 70, Mahavir Center, Fourth Floor, Sector 17, Vashi, Navi Mumbai 400703.

Reg. Office: 1471 D.B. House, Office No. F-4, 4th Floor, Madhav Nagar Road-EWSD Sangli, 416416

Regional Offices

MUMBAI:

E-401, Tower-2, Plot No. R1, Sector - 40, Seawoods, Darave, Navi Mumbai-400706, Maharashtra, INDIA.

CHENNAI:

Plot No.494/ 1A, 2A. Koladi Road, Thiruverkadu Main Road, Ambattur, Chennai - 600058 Tamil Nadu, INDIA

