

For
**Filling of Wall Tie
 & Tie Rod holes of
 Mivan shuttering**



SILICO[®] CRETE TRG

TIE ROD GROUT

SILICO Crete TRG is a high-performance Gun Grade Premixed Mortar designed for effective filling of Tie-Rod holes and Wall Tie opening of shuttering technology. The product is designed to flow and travel and yet remain cohesive when filled by hand or by machine while being filled into the tie-rod hole so that the entire mix is filled inside hole without excessive oozing out from the other end. SILICO Crete TRG meets the requirements of GreenPro Ecolabel and qualifies as Green Product.

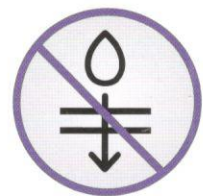
BENEFITS



Early strength gain



Good bonding to base concrete



Impermeable and zero ingress
 of water penetration



Ensures minimum
 20 % manpower saving



Self curing

SPECIFICATIONS

Appearance and Color	Grey Free Flowing Powder
Type of Sand	Precisely graded Gujarat natural River Sand
Sand Gradation	Below 1 mm
Wet Density	2200 kg/m ³ - 2300 kg/m ³
Compressive Strength (As per ASTM C 109)	>50 Mpa for M50
Drying Shrinkage % (As per IS 4031 part 10)	Shrinkage Compensated
Water Powder Ratio	16.5% to 17.5%
Workability	Cohesive, Pasty Consistency for ease of hand application (At Specified W:P ratio mixed in high shear mixer)
Pot Life	30 mins - 45 mins (depending on weather conditions)
Packing	25 kg bag
Flexural Strength	9 Mpa @ 28days for M50
Tensile Strength	4.15 Mpa @ 28days for M50

FEATURES

- Shrinkage Compensated
- Plastic shrinkage controlled with fibre reinforcement
- Gun grade flowability



- Gun grade workability which flows under normal manual pressure
- No risk of segregation
- Can be tailor made to match the strength of concrete walls and columns

SILCO Crete TRG INGREDIENTS

Proportionate quantities of OPC, Classified Fly Ash, Graded River Natural Sand, Hydrated Lime, PP Fibres, Enhancing Proprietary Additives ensures better strength and durability parameters



METHOD OF APPLICATION

- Clean the Tie Rod/wall tie holes/ opening to be filled and remove loose unsound concrete particles, dust, oil, paint, grease, waterproof coating etc. from the entire hole and the hole should be free of all contamination which hinders adhesion.
- Saturate the substrate with water to prevent absorption of water from the mixed material by flushing water inside the holes to be filled.
- Add around 80% to 85% of the predefined amount of water in the mixing vessel to **SILICO Crete TRG** powder slowly under continuous mixing. Preferably use a slow speed mixer. Keep mixing for 2 minutes. If required, add to the minimum possible extent, balance quantity of 15% - 20% of mixing water and again remix for another 2-3 minutes to achieve homogeneous, uniform consistent workable mix.
- Now fill the Cement Mortar Caulking/Grouting Gun with the above prepared **SILICO Crete TRG** workable mix fully and use a suitable Nozzle provided with the Gun which will exactly be compatible with Tie Rod hole /opening.
- Start filling the Tie Rod/Wall Tie holes with the above workable mix of **SILICO Crete TRG** from one end by applying required pressure using Cement Mortar Caulking/Grouting Gun till the mix travels smoothly throughout the hole by filling entire space in the hole and is seen reaching the other end of the hole without excessive oozing-out from the other end.
- Now remove the Gun from the hole and finish both the ends of the Tie Rod holes perfectly using flat thapi so that both the ends are levelled inline with the parent surface.
- The above same procedure should be followed for filling all other Tie Rod/ Wall Tie holes. The **SILICO Crete TRG** Mix should be used within the prescribed pot life.

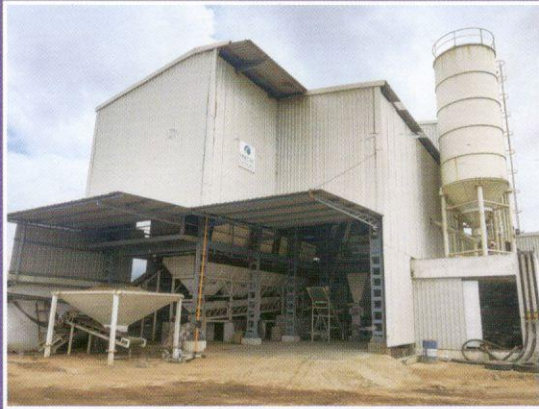
SHELF LIFE

3 months from the date of manufacturing, if stored in proper sealed bag away from moisture

SERVICE ASSURANCE

We provide On-site Technical support, wherever required. In order to ensure On-Time Delivery, we have our own transport as well

OUR INFRASTRUCTURE



SILICO Crete TRG is manufactured by M/s Precise Conchem Pvt. Ltd., at their plant located at GIDC Panoli, Bharuch District of Gujarat in an automated process according to formulations based on various products studies and research undertaken. The plant is one of the most modern plants in India, in which all the critical manufacturing processes and operations are completely controlled by P.L.C SYSTEMS (Programmed Logic Controller). The plant has the capacity to produce 25,000 bags @ 40 kg per bag of Polymerized Drymix Mortar/Plaster per day. The company assures, seamless supply of 100% consistent high quality mortars and plasters at all point of times, round the year.

WARRANTY:-

The Products supplied by the Company are warranted to comply with the Product Specifications mentioned in the Product Brochure, provided they are applied and used in conformance with the processes and procedures described in the Brochure and as per the Standard Civil Engineering Practices.

In the unlikely event that the Products are found to be not in compliance with the mentioned specifications, the Company undertakes to replace the Products that are specifically determined to be non-compliant. Any suspected defects or non-compliance of the Products must be reported to the Company in writing within 72 hours of being detected or within 45 days of the supply of the Products, whichever is earlier. The Company shall have the right to inspect the area where the suspected defects are detected and in case any such suspected defect is determined to be caused specifically due to a deficiency in the Products supplied by the Company, the Company undertakes to provide replacement only for the specific area where the defective Product was applied, and not for the whole room, floor, building, or project where the Company's Products may have been used.

Since the Company does not have control over the installation or application or end use of the Products, the Warranty shall not cover any defects that may be caused due to defective or faulty or unskilled workmanship, application, curing, or treatment of the Company's Products. The Warranty is limited only to replacement of the Products in question and does not cover any incidental and consequential costs or damages including, but not limited to, the costs of removal and reapplication of the Products, delays, loss of profits, or any other liabilities that the purchaser may incur towards any third parties.

The above Warranty is the complete set of Warranties offered by the Company on its Products and overrides any other Warranties that may be implied or expressed in any other Product Literature or that may erroneously be inferred by the purchaser through interactions with the Company's representatives or with any consultants, architects, etc.

The Company may, in the interests of customer service, relax the above Terms of Warranty. Any such relaxation shall be at the sole discretion of the Company and shall not be taken to be a precedent for the future. Such relaxation can only be authorized in writing by the CEO / Directors of the Company and no Company representative shall have any rights to relax the Terms of the Warranty without explicit authorization in writing from the CEO / Directors.

DISCLAIMER:-

All recommendations, suggestions, statements and technical data provided in this Leaflet are based on the best current knowledge available and are given for illustrative and informative purposes only and the Company does not bear without any responsibility for any loss or damages that may be caused by the use / misuse of such data.

It is assumed that all Standard Civil Engineering Practices shall be adopted for the use and application of the Company's Products and all information provided in this Leaflet is based on the above assumption. The Company shall not be responsible for any loss or damages that may be caused by a deviation from the Standard Civil Engineering Practices or by any use or application of the Company's products not in consonance with the information provided in this Leaflet.

The Company supplies products as per the Specifications provided in this Leaflet, and all the information in this Leaflet is for general guidance of the purchasers only. It is not possible, in this Leaflet, to provide information with respect to all potential uses and applications of the Company's Products and for the various site conditions where the Products may be used.

Therefore, the Company makes no claims herein as to the particular suitability or fitness of the Products for specific applications or purposes. The Company may be contacted directly, if any additional information is required for any specific use or application of its Products, prior to the purchase and use of the Company's Products by the purchaser.

The Company is continuously striving to improve and develop its products to better meet the industry requirements and to provide superior performance. Therefore the Company reserved the right to modify or improve the Products' specifications or the information in this Leaflet at any time, without notice. The latest Products' specifications and information can be obtained by directly contacting the Company.

The Company, as used above, shall refer exclusively to M/s Precise Conchem Private Limited as represented by its Board of Directors, and any communication directed to the Company may be preferred to the contact details of the Company, as provided in this Leaflet.

CERTIFIED BY



PRECISE
CONCHEM PVT.LTD.
The Mark of Excellence
An ISO 9001 - 2015 Certified Company

MANUFACTURERS OF POLYMERISED SPECIAL DRYMIX MORTARS AND PLASTERS

Internal & External Plasters | Light Weight Block Jointing Mortars | RCC Repair Mortars |
Red Bricks Masonary Mortars | Micro Concrete | All Types of Grouts | All Types of Tile Adhesives

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