

| Non Shrink cementitious grout | Early High Compressive Strength |

DESCRIPTION AND USES

- **Smart Care Repair Grout ECS** is a high performance, non-shrinkage ready to use cementitious grout. Consisting of mix from cement selected aggregates and special additives.
- Grouting for the machines and industrial equipment that is subjected shocks and vibrations and need high compressive strength (turbines, compressors, generators).
- Anchorage of bolts and steel bars with concrete.
- Grouting of railway rails or travelling crane tracks.
- Assembly of metal reinforced concrete or prestressed concrete prefabricated elements.

ADVANTAGES

- Iron and chloride free.
- Early compressive strength.
- Good adhesion for steel and concrete.
- Very good mechanical strength.

PRODUCT PROPERTIES

Color	Gray.		
Density	2.3 gm/ cm ³ (fresh concrete).		
Compressive strength EN 196-1	1 day	31	N/mm ²
	3 days	42	N/mm ²
	7 days	51	N/mm ²
	28 days	63	N/mm ²
Flexural strength ASTM C 580	7 days	8.9	N/mm ²
	28 days	11.4	N/mm ²
Mix ratio	2.7 Kg / 25 kg – 3.5 Kg/ 25 kg.		
Water / Powder	Depend on the consistency of product.		
Layer thickness	From 12 mm up to 50 mm		

APPLICATION

1. Substrate Preparation:

- All surfaces must be clean, dimensionally stable, sound and free from all traces of oil, grease, mould release agent and curing compound.
- Wet the surface to make it saturated surface dry (SSD) with no standing water at the time of application.

2. Mixing:

- Prepare the tools needed for mixing (suitable clean vessel – electric pneumatic stirring drill).
- Prepare the amount of water required depending on the consistency needed according to mix ratio. Volume of water must always be within the limits as stated in our Technical Data Sheet.

- Excess water may be cause cracks, segregation and low grout strength.
- Pour 2/3 of mix water in the vessel, and then add **Repair Grout ECS** gradually while the mixer is working this way to help avoid the forming of lumps, then add remaining mix water and mix well for at least 3 minutes to get the best dispersion. Leave it for 5 minutes after mixing to allow entrapped air to escape.
- Electrical drill is the best way to get good dispersion mixing by hand isn't suitable way for mixing.

3. Application:

- For anchoring : drill holes of rode by 12-15 mm more than diameter of rode and depth from 10 – 20 times of rode diameter , fill the hole by mortar, tamp well and fix the rode in required position until drying of mortar.
- To make optimum use of the products expansion properties, apply the grout as quickly as possible (within max. 15 minutes).

STORAGE CONDITION

- In places where high heat and humidity are present, special precautions must be taken.
- Store product in a covered, well ventilated warehouse and avoid excessive heat conditions.
- Storage in high heat, high humidity condition may reduce shelf life by around 30%.
- Follow First in First Out strictly.
- Don't store within one meter of roofing of the warehouse or storage building.

HEALTH AND SAFETY

- Smart Care Repair Grout ECS contains cement. Contact with moisture or gauging water sets off an alkaline reaction, which may cause skin irritation and/or caustic burns to mucous membranes (e.g. eyes). Risk of serious damage to eyes, therefore avoid contact with eyes and prolonged contact with skin. In case of contact with eyes immediately rinse with plenty of water and consult a doctor. In case of contact with skin remove contaminated clothing immediately and wash skin with plenty of soap and water. Wear suitable protective gloves (e.g. cotton gloves soaked in nitrile) and safety goggles/face protection. If ingested seek prompt medical attention and show packaging or this technical data sheet. Keep out of reach of children.

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DISCLAIMER

- Note - The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.
- Non -Warranty: Because the storage, handling and application of the material is beyond SCIB Paints control, we can accept no liability for the result obtained. Scib Paints sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use nor any expressed or implied warranty. Scib Paints will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.