



TECHNICAL DATASHEET

565 NEOGROUT ADMIX

PLASTICISED EXPANDING GROUT ADMIX

DESCRIPTION:

NeoSeal® 565 Plasticised Expanding Grout Admix is a specially formulated grouting aid which is a combination of a plasticizing agent and a gas producing expansion medium. It plasticizes the mix allowing for substantial reduction in water content with maintaining the fluidity, thus improving the strength and water impermeability of the grout. The expansive additives reverse the natural settlement and plastic shrinkage of the grout and aids stability and cohesion.

AREA OF APPLICATION:

- Crack injection grout application
- Cavity filling
- Filling gaps between precast elements
- Repairing honeycombs by pressure grouting
- Site batched repair/re-profiling mortar
- Filling up the plumbing and electric chases

TECHNICAL SPECIFICATIONS:

Properties	Test Results
Appearance	Free flowing light brown powder
Chloride content	Nil
Bulk Density	0.9 Kg / Ltr.
Expansion	Min 4%
Time for Expansion	15 min to 120 min.
Application Temperature	From +10°C to +35°C
Recommended Doses	0.45 % by weight of cement
Shrinkage	No Shrinkage
Mixing Ration (Cement: Water)	100: 40-45

FEATURES & BENEFITS:

- Gaseous expansion system compensates for plastic
- Shrinkage and settlement in properly designed cementitious grout
- Reduced water/cement ratio mixes in the grout mix
- Ensures low water permeability and long-term durability
- Gives grout high flow with low water/cement ratio, thus making easier to placement or injection of the grout
- No metallic iron content to corrode and cause staining or deterioration in grout due to rust expansion
- Composition gives high early strength development in grouts, without the use of chlorides.

NeoSeal Adhesive Pvt. Ltd.

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA.
Email: info@neoseal.net, Ph: +91-90999 73544; www.neoseal.net



METHOD OF APPLICATION:

1. Surface Preparation:

- The substrate shall be thoroughly clean, free from dust, oil, loose material, surface contamination and materials which reduce bond or prevent suction or wetting by the grout.
- Concrete, mortar, stone should be thoroughly prepared by high pressure water jetting or mechanical means such as grinding, chiselling etc.
- Cracks must be cleaned to remove dust with compressed air.

Fixing Injection Packers

- The injection packers shall be inserted into pre-drilled holes at intervals along the length of each crack. The distance between each packer will depend upon the width and depth of the crack. Spacing shall be close enough to ensure that the resin will penetrate along the crack to the next point of injection.
- The surface of the cracks between the packers shall be sealed with suitable sealant. Both sides of any cracks which go all the way through a wall or slab shall be sealed.
- In the case of a wall or slab cracked all the way through, packers shall be located on both sides with those at the back placed at midway points between those at the front.
- The sealed crack shall be allowed to cure for overnight. At low temperatures (5°C to 12°C) the curing time will be extended and the applicator shall ensure that the surface sealant has adequately cured prior to continuing.

2. Mixing:

- For proper mixing a mechanically powered grout mixer must be used. For quantities up to 50kg, a slow speed drill fitted with a high shear blade is suitable. If quantity is more than 50kg then it will require a high-volume drum mixer.
- This may require the use of a holding tank with provision for gentle agitation to maintain fluidity. The required water quantity should be accurately measured into the tank along with Grout Admix.
- The cement and sand (if required) shall be slowly added to mixing vessel.
- Mixing it for 5 minutes, making sure that a smooth uniform consistency is obtained.

OPC Cement	Sand	Water	Grout Admix	Approx Total yield
50	-	20 Ltr	225 gm	35 Ltr
50	50	22.5 Ltr	225 gm	55 Ltr

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3. Application:

(a) Crack Injection:

- Use low pressure pump to inject mixed grout starting at the lowest point of the crack and work upwards to the highest point sealing off each injection point in turn.
- Allow grout to cure for at least 24 hours.
- Cut off external parts of injection tubes followed by tools and equipment should be cleaned with solvent prior to grout setting.

(b) Pouring Under Gravity:

- For supporting structures, where the Grout Admix is being poured under gravity, the use of a grout tight shutter is essential.
- This may be constructed from timber and sealed using fast set mortar.

Note: Apply a mould releasing agent to the form work surfaces which will affect release after the grout has hardened.

4. Cleaning:

Tools and containers may be cleaned using water before the material is hardened. The hardened grout material can be removed from tools mechanically.

PACKAGING SIZE:

225 gm

SHELF LIFE AND STORAGE:

12 months from the date of manufacturing in unopened condition when in sealed pack and stored under proper condition. Store in a cool & dry place.

HEALTH & SAFETY PRECASUTIONS:

Wear suitable protective clothing, gloves and eye protection equipment during mixing and application. In case of contact with skin, rinse with plenty of water. In case of contact with eyes, immediately rinse with plenty of clean water. Seek medical advice, if needed. Keep out of reach of children.

WARRANTY:

The above information given based on our knowledge and performance of the material in order to help you in good faith. Every precaution is taken in the manufacturing of the product and our responsibility is limited to the quality of supplies. We guarantee the consistent high quality of our product; however, as we have no control over the site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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