



TECHNICAL DATASHEET

551 Tile Adhesive Silver - Class 1 (C1)

DESCRIPTION:

NeoSeal® 551 Class 1 is a professional grade, high quality, cement-based grey colour Tile Adhesive. It is commonly used for glazed and unglazed ceramic and porcelain tiles on walls, floors and countertop for indoor and outdoor application. It can be used for thick and thin bed application. It provides reduced slip, superior workability and good bond strength.

AREA OF APPLICATION:

Installing tiles on floors and walls over new masonry, concrete, mortar beds and cement plaster for interior applications.

TECHNICAL SPECIFICATIONS:

Properties	Test Results
Appearance	Grey Powder
Mixed Density	1.75 -1.80 kg/ litre
Tentative Mixing Ratio (Powder: Water)	3:1 by volume / 1:0.25 by weight
Pot life @ 25°C	3 – 4 Hours
Open Time (IS 15477:2019)	30 – 40 Min.
Adjustment Time (IS 15477:2019)	~ 25 Min
Ready for grouting on Floor	24 Hours
Ready for grouting on Wall	8 Hours
Light Foot Traffic	24 hours
Regular Traffic	7 Days
Application Temperature	From +10°C to +35°C
Tensile Adhesion Strength (EN 1348)	≥ 0.5 N/mm ²
Adhesive Thickness	3 – 12 mm
VOC Content (EPA 24)	< 6 gm/ Kg

FEATURES & BENEFITS:

- Easy to use – just add water on side, mix it, ready to use, works on wet area as well
- Can be used for floor and wall in internal areas
- Excellent water resistant and Impact resistance
- Excellent adhesive strength
- Good slip resistance and workability
- Low shrinkage, self-curing properties
- Low VOC – Qualifies for the LEED points

NeoSeal Adhesive Pvt. Ltd.

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METHOD OF APPLICATION:



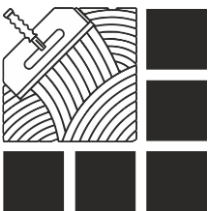
1. Surface Preparation:

- All surfaces should be level, undamaged, structurally sound, clean and free of oil, grease, concrete sealers or curing compounds.
- Dry, dusty surface should be dampened with water and excess water should be swept off.
- New concrete slabs should be cured for min 28 days prior for installing tiles.



2. Mixing:

- Add 3 parts of Tile Adhesive powder in the clean pail or mixing vessel then add one part of water. For 20 Kg bag about 5-6 liters water required.
- Mix power-water mixer using suitable mechanical stirrer at slow speed (70-100 rpm) until a lump free homogeneous paste is obtained. Adjust the water level as per desire thickness.
- Leave the mixture for 5 minutes before use.
- Mix required quantity which can be consumed withing pot life.



3. Application:

- Apply adhesive mix using a flat side of the trowel at a thickness of 3 mm and level it by notched trowel. The thickness of the ribs will depend upon the size of the tile.
- Place and adjust the tile position within 15-20 minutes after adhesive application. Press the tiles firmly on the adhesive ribs. Use rubber mallet to embed tile and adjust level properly.
- For large tiles or irregular surfaces, additional adhesive can be applied on the back of tiles to ensure proper bonding and leveling. For vertical surface same technique can be used with proper support.
- Use adequate spacers to keep consistent gap between the tiles and from the wall.



4. Cleaning & Finishing:

- Clean off the excess adhesive form the tile surface and between joints. within 30-40 minutes using wet sponge.
- Clean tools and containers using clean water while adhesive is fresh.



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COVERAGE:

Square Feet per 20 Kg bag

Trowel size	Adhesive Thickness	Square Feet / 20 Kg
6 mm x 6 mm	3	55 – 60 sq. ft.
6 mm x 9 mm	3	40 – 45 sq. ft.
12 mm x 12 mm	3	27 – 30 sq. ft.

PACKAGING SIZE:

20 Kg bag

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:

- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

WARRANTY:

The above information given is based on our knowledge and performance of the material in laboratory testing condition. The product information is provided in good faith for the general guideline to help respected users. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose / application.

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