

# NSA BRONZE

Polymer Based Non-Skid Tile Adhesive

## DESCRIPTION

NSA BRONZE is a high quality tile adhesive for the fixing of ceramic & small size of vitrified tiles for vertical and horizontal applications. It can also be used for floor application of Porcelain & porous stones . NSA BRONZE tile adhesive is suitable for internal applications

## USES

- Ceramic internal application, Small sizes vitrified internal application (for floor & wall application).
- Porcelain & porous stones (for floor application).
- Fixing tiles over smooth surfaces.
- Applicable vitrified tile sizes for floor application 250mm X 400mm, 300mm X 300mm, 300mm X 600mm, 600mm X 600mm (No such limitation for ceramic tiles).
- Applicable for tile sizes for wall application (up to 15 ft. - slab to slab) 250mm X 400mm, 300mm X 300mm (No such limitation for ceramic tiles).

## ADVANTAGES

- Grouting is possible on same day.
- Simple preparation (need to add just water).
- Ready to use product; saves time and labour.
- Excellent waterproofing characteristics.
- Self-curing; excellent tensile adhesion strength.
- Enhanced durability.
- Non-hazardous.

## SUBSTRATES

- Cement Plaster
- Concrete Masonry
- Cement Terrazzo
- Ceramic Tile<sup>1</sup>
- Brick Masonry
- Cement Mortar Beds
- Existing Natural Stone<sup>1</sup>
- Concrete

(<sup>1</sup>Surface should be properly cleaned and roughened before application of tiles and stones.)

## SURFACE PREPARATION

The surface should be sound and thoroughly cleaned. Old surface should be free from wax, grease, dirt, Flakes & loose particles.

## METHOD OF APPLICATION

- Spread the adhesive to required bed thickness and comb with a notch trowel.
- Strictly apply the adhesive part which can be tiled within 10 to 15 minutes.
- Start placing the tiles on the surface. Tap the tiles properly to ensure complete coverage on the backside of tiles (for more details, visit application video on Cemseal's YouTube channel).

## MIXING

Add 25 to 30 % water per 20 kg bag, depending on the requirement.

## COMPLIANCE STANDARD

IS 15477:2019, EN 12004



## TECHNICAL INFORMATION

Properties	Standard test method	Results
Appearance	-	Grey powder
Grade	-	Type1T & C1T*
Bulk density	-	1.45 to 1.50 gm/cc
Tensile adhesion @ 28 days	IS 15477:2019, EN 12004	>0.7 N/mm <sup>2</sup> (dry)
Shear adhesion strength @ 28 days	IS 15477:2019, EN 12004	>1.1 N/mm <sup>2</sup> (dry)
Adjustability in minutes	IS 15477:2019, EN 12004	> 20

\*C1=Type adhesive | T=Thixotrophy

### COVERAGE

25 to 35 sq.ft. Per 20 KG with notch trowel for a bed thickness of 3 to 4 mm.

### POT LIFE

Always mix the required quantity, which can be consumed within 45 minutes pot life.

### CURING

Allow tiling to set for 24 hours and start filling joints next day with CEMSEAL WATERPROOF TILE GROUT or CEMSEAL EPOXY GROUT.

### CLEANING

CEMSEAL NSA should be removed from tools & equipment immediately after use with clean water, only hardened material should be removed mechanically.

### PRECAUTIONS

CEMSEAL NSA should be kept away from direct sunlight, humidity & dampness.

### STORAGE LIFE & CONDITION

12 months on sealed pack at room temperature in dry area.

### AVAILABLE PACKINGS

NSA BRONZE is supplied in 20 & 40 Kg bags.

**HEALTH & SAFETY**

Contents Portland cement , silica sand & polymers. May irritate eyes & skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Do not consume in any way. Silica sand may cause serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas. Keep out of reach of children.

**TECHNICAL INFORMATION & SERVICES**

Further information and advice including practical demonstration are freely available from the technical service department of CEMSEAL INDUSTRIES LTD.

**NOTE**

- Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Cemseal representative.
- Cemseal reserves the right to have the true cause of any difficulty determined by accepted test methods.

**Address :**

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