

## SAS Tile GP40

General Purpose Tile Adhesive

### PRODUCT DESCRIPTION

**SAS Tile GP40** is a single component cementitious tile adhesive based on a highly polymer system with superior adhesion, high strength for dry areas in interior and exterior application. It can be applied on a variety of substrates.

### AREAS OF APPLICATION

**SAS Tile GP40** is used for fixing a wide range of tiles on the following substrates:

- Concrete
- Floor Screeds
- Portland cement based renders

### SURFACE PREPARATION

Surface preparation is important. All surface should be dry, clean, and free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surfaces with chipping to ensure good bonding.

### MIXING

**SAS Tile GP40** supplied in 40 kg bags has to be mixed with potable water only, in a clean plastic bucket. To ensure a homogenous and uniform mix, an electric agitator must be used.

The amount of water to be added is approximately 9.6 lts. per 40 kg. Add **SAS Tile GP40** to water, turn the contents of the bag carefully and stir frequently. Once mixed, allow it to stand for five minutes and mix again before applying. No further water should be added to the mix. The mixed mortar should be used within 30 minutes.

### PRODUCT PREPARATION

**SAS Tile GP40** is rendered in one coat, having a thickness of 3-5 mm. To achieve uniform thickness, the mortar is leveled with a serrated trowel. The thickness of the adhesive will depend on upon the type and the size of tile. Do not spread more than 1m<sup>2</sup> at a time. Spreading large areas may result in the mortar drying before tiles can be pressed home, causing poor adhesion. Once the mortar has been applied, the working time will vary according to the porosity of the surface and atmospheric condition. Tiling in wet areas, i.e shower rooms, swimming pools and in all such instances, ensure a solid bedding. There must be no void or air pockets behind the tiles. Do not apply the mortar sparingly.

### JOINTS

Ceramic tiles should not be fixed with tight joints. Leave a minimum of 2 mm around every tile. For normal use, the tile joints should be filled with SAS Cementitious grout.

### CHARACTERISTICS

<b>Mixing Ratio</b>	:	9.6 lts. of water per 40 kg bag
<b>Approximate Yield</b>	:	29.2 lts. Per 40 kg bag
<b>Approximate Coverage</b>	:	19.5 m <sup>2</sup> per bag at 1.5 mm thickness
<b>Waiting time to grout in</b>	:	24 hours
<b>Waiting time to walk on</b>	:	24 hours

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## TECHNICAL PROPERTIES

<b>Aggregate Size</b>	: 0-0.6 mm
<b>Appearance</b>	: Powder (Grey / White)
<b>Density</b>	: Wet: 1.85 kg/lt. Dry: 1.7 kg/lt.
<b>Compressive Strength</b>	: 12 Mpa
<b>Flexural Strength</b>	: 1.5 Mpa
<b>Tensile Adhesion Strength</b>	: > 0.5 Mpa
<b>Open time</b>	: 30 mins.

## HEALTH & SAFETY

Consult MSDS prior to using the product. As an individual, protection is recommended to use gloves and nose mask against dust.

## PACKING & STORAGE

SASTile GP40 is supplied in 40 kg bag and must be stored in a dry place, off the ground and well covered. Hard or lumpy material must be rejected.

## CONFORMITY

SASTile GP40 confirms to the following standard :

BSEN 12004:2007, ANSI 2008.1

## SHELF LIFE

12 months from date of production when stored under dry conditions.