

PRODUCT DATA

tensid[®] uk ltd

600 Detergent

Powerful brick cleaner

Description and use

PROSOCO 600 Detergent is a general purpose, concentrated acidic cleaner for brick, tile and concrete surfaces. Dissolves mortar smears and construction dirt quickly, leaving masonry clean and uniform with no acidic burning or streaking.

Advantages

- Fast and easy to apply – use with cold water rinse
- Safer than hydrochloric acid for new build
- Proven effective over many years

Limitations

- May not be suitable for cleaning buff coloured brick or brick and tile with manganese or other metallic staining. (See product data for Vanatrol.)
- Not suitable for cleaning polished or certain glazed surfaces. Always test.
- Not effective for removing atmospheric dirt and carbon staining. (Use appropriate Restoration Cleaner)

Recommended as follows. Always test.

Substrate	Type		m ² per litre
Architectural Concrete Block	Smooth	Yes	10 – 15
	Split faced	Yes	
	Burnished	Yes	
	Ribbed	Yes	
Marble Travertine Limestone	Polished	No	N/A
	Unpolished	No	N/A
Granite	Polished	No	N/A
	Unpolished	Yes	24 – 36
Sandstone	Unpolished	Yes	10 – 20
Slate	Unpolished	Yes	24 – 36
Fired Clay	Brick	Yes	10 – 20
	Tile	Yes	
	Terracotta	Yes	
	Pavers	Yes	
Concrete	Brick	Yes	8 - 15
	Tile	Yes	
	Precast Panels	Yes	
	Pavers	Yes	
	Cast in place	Yes	

Repeated application may damage some surfaces.

TECHNICAL DATA

Appearance: Clear liquid

pH Value: 0.1 at 1.9 dilution

Boiling Point:

Preparation

Protect surrounding surfaces and beware of wind drift. New brick and tile surfaces clean most effectively if the cleaning is done within 14 – 28 days after masonry installations. Mortar and grout stains which remain on the surface for longer, result in a more difficult cleandown and may cause undesirable results. Wherever possible, clean high strength mortar/grout within 7 days.

Note: Presence of excessive moisture in the wall contributes to efflorescence and other staining.

Best cleaning results are obtained when air and surface temperatures are 4°C or above. To avoid harm to masonry, do not clean when temperatures are below freezing or will be overnight.

Equipment

Apply using a densely packed, soft fibred masonry brush or low pressure compression sprayer. Rinse using a pressure washer.

Pretesting

Always test each type of surface and stain before overall application to ensure suitability and desired results. Apply test area according to the following application procedures. Allow area to dry 3 to 7 days before inspection and approval. If test panel indicates metallic discolouration or if stains are present before testing – refer to Metallic Discolourations below.

Dilutions

Always pour cold water into an empty bucket first, then carefully add 600 Detergent. Never use hot water. Handle in rubber or polyethylene buckets only. Acidic materials and fumes will attack metal.

The following dilutions are based on 1 part 600 Detergent to recommended parts of water.

- Hard burned pink, salmon and tan brick - 6 parts water
- Red brick – 6 to 8 parts water
- Sandstone and other very porous stone – 8 parts water
- Structural unglazed tiles – 6 parts water

- Structural and ceramic glazed tile and glazed brick – 10-12 parts water
- Exposed aggregate concrete – 6 parts water
- Speciality prefaced concrete block and tile – 8 parts water
- Polished granite (test with extreme care) – 10 parts water
- Concrete block and clay block – 4 parts water
- Smooth finish Precast and cast in place concrete – 10 parts water

Application Instructions – Exterior

Test thoroughly prior to general cleaning

1. Thoroughly prewet a large area.
2. Using a densely packed, soft fibred brush or low compression sprayer, apply the diluted solution freely.
3. Allow cleaning solution to remain on the wall for 3 to 5 minutes. Do not allow cleaner to dry into the masonry as this may leave residue and stain.
4. Reapply cleaning solution and scrape off heavy buildup of excess mortar using a wooden scraper or piece of brick, taking care not to harm the surface.
5. Rinse thoroughly with fresh water, removing all cleaning compounds, free sand, loose material and debris. Thorough rinsing is extremely important to ensure that all residues are removed from the porous masonry.
6. Reapply as required following steps 1 to 5.

Caution: multiple applications may lighten the mortar colour.

Application Instructions – Interior

Follow cleaning procedure as for exterior surfaces. Rinse thoroughly with fresh water using a sponge or soft fibred brush. If conditions do not allow sufficient water for complete rinsing, use a neutralising rinse:

1. First, rinse with clean water.
2. Apply neutralising rinse of 57 grams baking soda to 3.8 litres water.
3. Saturate thoroughly and allow neutralising solution to dwell on the surface for 3 to 5 minutes.
4. Apply final rinse of clean water.

Metallic Discolourations

Due to metallic oxides contained in many new brick colours, green and brown stains can form on the surface. These occur when vanadium, manganese or other oxides rise to the surface of the brick. Where significant levels are present, an improper dilution of 600 Detergent can contribute to staining. If the brick shows metallic staining before or after testing:

- For light to moderate stains – test using 600 Detergent at a dilution rate of 8 parts water to 1 part concentrate. After rinsing, allow brick to weather for 10 – 14 days. Often minor stains will disappear if allowed to weather.
- If acceptable results are obtained, proceed with overall cleaning using this dilution rate. After cleaning and the wall has been allowed to weather, remove any minor stains by spot treating with ProSoCo stain removal products.
- If severe stains are apparent before original testing or become a problem during testing use Vanatrol.

Packing

1 x 25 or 1 x 15 litre plastic container.

Safety Information

Causes burns. Wear suitable PPE - plastic, rubber or PVC protective suit, goggles, boots and gloves to avoid splash to bare skin or eyes. Always refer to material safety data sheet before use.

Shelf Life

600 Detergent may be stored for up to 3 years in a tightly sealed, unopened container

This Product Data is compiled to be of assistance but is without guarantee. Users are responsible for safe working practices. Always refer to Material Safety Data Sheets (MSDS) for full information before using this product.

For more information and photos please visit:

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