

PRODUCT DATA

tensid[®] uk ltd

Heavy Duty Restoration Cleaner

Concentrated carbon and pollution remover

Description and use

Heavy Duty Restoration Cleaner is a concentrated compound for cleaning extremely dirty and heavily stained masonry typically found in large cities or high pollution areas. Used properly, it cleans brick, granite, sandstone, terracotta, exposed aggregate and other masonry except limestone and concrete. This product has been safely and effectively used to clean historic structures worldwide.

Advantages

- Cost effective concentrate
- Proven effective for cleaning the dirtiest buildings

Limitations

- Not for interior use. Use Light Duty Restoration Cleaner
- Not suitable for polished stone and glazed surfaces. Use Light Duty Restoration Cleaner
- Repeated application or low dilutions may damage some surfaces. Use Light Duty Restoration Cleaner or regular Restoration Cleaner where possible.

Preparation

Protect surrounding surfaces and beware of wind drift. To avoid harm to masonry, do not clean when temperatures are below freezing or will be overnight. Best cleaning results are obtained when air and surface temperatures are 4°C or above. If freezing conditions exist prior to application, allow adequate time for masonry to thaw.

Equipment

Apply using an acid resistant brush or low pressure compression sprayer. Rinse using a pressure washer, hot water may improve efficiency.

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 thoroughly before inspection and approval.

TECHNICAL DATA

Appearance: Clear colourless liquid

pH Value: 2.2 @ 1:3 dilution

Boiling Point: N/A

Recommended as follows. Always test.

Substrate	Type		m ² per litre
Marble Travertine Limestone	Polished	No	N/A
	Unpolished	No	N/A
Granite	Polished	No	N/A
	Unpolished	Yes	8 – 14
Sandstone	Unpolished	Yes	8 – 12
Slate	Unpolished	Yes	8 - 14
Fired Clay	Brick	Yes	7 - 12
	Tile	Yes	
	Terracotta	Yes	
	Pavers	Yes	
Concrete	Block	No	N/A
	Brick	No	
	Tile	No	
	Precast Panels	No	
	Pavers	No	
	Cast in place	No	

Repeated application may damage some surfaces.

Dilutions

Heavy Duty Restoration Cleaner must be diluted with fresh water before application. Failure to dilute may result in bleaching of the masonry's natural colour. When diluting, always pour water into bucket first then carefully add the product. Acidic materials will attack metal.

Use polyethylene or rubber buckets only.

For porous masonry: dilute one part concentrate to 3 parts water, depending on test results.

For non porous masonry (glazed brick, terracotta, polished granite): dilute one part concentrate to 4 to 6 parts water, depending on test results.

Application Instructions

1. Pre wet the surface with clean water.
2. Apply the cleaner using a brush or low pressure sprayer.
3. Allow the cleaning solutions to remain on the surface for 3 to 5 minutes. Reapply. Gently scrub heavily soiled areas. Note: do not allow cleaner to dry on the surface. If drying occurs, lightly wet treated surfaces with fresh water and reapply in a gentle scrubbing manner.
4. Rinse with low pressure flood rinse to remove initial acidic residue with minimum risk of wind drift.
5. Rinse thoroughly using high pressure spray from the bottom of the treated area to the top, covering each section of the surface with a concentrated stream of water. Note: to avoid streaking, keep wall below wet and rinse free of cleaner and residues

Coverage Rates

Coverage rates will vary according to surface porosity, texture and severity of staining.

Safety Information

Causes severe 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.

Packing

1 x 25 or 1 x 15 litre plastic container.

Shelf Life

Heavy Duty Restoration Cleaner may be stored for up to 5 years in a tightly sealed, unopened container in a cool, dry place.

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

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