

## PRODUCT DATA

# tensid<sup>®</sup> uk ltd

## Restoration Cleaner

Carbon and pollution remover

### Description and use

Restoration Cleaner is a concentrated compound formulated as a carbon solubiliser. Used properly, it cleans, brick, granite, sandstone, terracotta, exposed aggregate and other masonry except limestone, marble or concrete. This product has been used to safely restore historic structures world wide. Application to masonry surfaces loosens and dissolves dirt, paint oxidation, carbon buildup and other atmospheric pollutants. A simple cold water rinse then removes these unsightly stains.

### Advantages

- Proven effective for cleaning dirty and heavily carboned buildings.
- Will not damage masonry when properly applied.

### Limitations

- Not suitable for cleaning of limestone, concrete or marble surfaces. See PROSOCO Limestone Restorer and 766 Limestone and Masonry Prewash/Afterwash for these applications.
- Not recommended for interior use.
- May not be suitable for some polished stone and glazed surfaces. Always test.

### 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 masonry surface temperatures are 4°C or above. If freezing conditions exist prior to application, allow adequate time for masonry to thaw. When cleaning glazed terracotta and tile, inspect the surface carefully. Where glaze has been partially weathered away or previously etched, cleaning may cause additional loss of glaze.

### Pretesting

Always test a minimum area of 1-2 m<sup>2</sup> prior to beginning full scale cleaning operations to determine dilution rate and compatibility with masonry surfaces. Test each surface and each type of stain. Also test to see what effect pressure rinsing may have on older masonry. To evaluate final appearance and results, allow test panels to dry for three to seven days before inspection.

### TECHNICAL DATA

**Appearance:** Clear liquid

**pH Value:** 2.2 @ 1:3 dilution

**Boiling Point:** N/A

*Recommended as follows. Always test.*

Substrate	Type		m <sup>2</sup> per litre
Granite	Polished	Yes	4.5 – 12
	Unpolished	Yes	4.5 – 12
Sandstone	Unpolished	Yes	3 – 9
Slate	Unpolished	Yes	3 – 9
Fired Clay	Brick	Yes	3.5 - 10
	Tile	Yes	
	Terracotta	Yes	
	Pavers	Yes	

*Repeated applications may damage surfaces*

### Dilutions

Porous masonry – use concentrate during initial testing. If concentrate cleans effectively, tests should be run with diluted solutions of up to three parts water to one part concentrate. Use the mildest solution that effectively cleans depending upon test results.

Non porous masonry (glazed brick, terracotta, polished granite) – dilute with one to three parts water to one part concentrate, depending on test results. Restoration Cleaner is an acidic product and may etch polished and glazed surfaces. Care should be taken particularly on polished granite. The extent of etching can be controlled by dilution. When diluting, always pour water into empty bucket first, then add concentrate. Handle in rubber or polyethylene buckets only. Acidic liquids and fumes will attack metal.

## Application Instructions

1. After protecting all non masonry surfaces, thoroughly wet the area to be cleaned.
2. Apply the cleaning solution liberally using low compression sprayer, roller or densely filled masonry brush.
3. Allow the cleaning solution to remain on the surface for 3 to 5 minutes. Reapply. Light scrubbing of the surface will improve cleaning results especially where high pressure rinsing equipment is not available. If the cleaning solutions is left on the surface unattended, take precautions to prevent pedestrians from coming near the surface. Caution: Do not allow cleaning solutions to dry in to the masonry – bleaching may occur.
4. Begin rinsing with low pressure, flood rinse to remove initial acidic residue with minimum risk of wind drift. Then rinse the treated area thoroughly using high pressure spray. Rinse from the bottom of the treated area to the top flushing each section of the surface with a concentrated stream of water. To avoid streaking on vertical walls, take care to keep the wall below wet and rinsed free of cleaner and residues. Note: Application of rinse water is extremely important to assure that all surface staining matters and cleaning residues are thoroughly flushed from the treated surface. *Do not apply Restoration Cleaner with a high Pressure spray.*

When cleaning severely stained areas such as horizontal surfaces, under window sills, eaves etc; pretreating the surface with 766 Limestone and Masonry Prewash may prove more effective. Pressure rinse, then afterwash with Restoration Cleaner, followed by water rinse.

Application of a good breathable water repellent to the cleaned masonry surface reduces absorption of stain producing elements, keeping the surface clean for a longer period of time and making future cleaning faster and easier.

## 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

Restoration Cleaner 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 gurantee. 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:

**[www.tensid.com](http://www.tensid.com)**

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