

# Heavy Duty Cleaner

CSP Heavy Duty Cleaner is a safe gel based cleaner that removes severe black carbon staining, dirt, and grime on masonry. When using on limestone, marble or any calcareous stone, limit dwell times to 10-15 minutes. The product is designed for exterior use on buildings and monuments.

## Features and Benefits

- Biodegradable
- Short dwell time
- Gel clings to vertical surfaces
- Brush, roll, or spray apply
- No on-site mixing
- No VOC's

## Application Procedures

### Test Area

Always prepare a test area prior to full application. This will indicate the time required for project completion and suitability of product for effective cleaning of the substrate. Additionally, specific job-site consumption rates can be calculated after the test area is completed.

### Equipment and Tools

This product can be applied by brush or roller or low pressure spray. (>300 psi). Natural bristle brushes work well on most surfaces, while ¾ inch nap rollers can be used for smooth surfaces such as brick and marble. When spraying is desired an air driven or low voltage pump can be used. Hudson style sprayers are acceptable for small scale spray applications. Other equipment required: brushes, masking tape, plastic (polyethylene) sheet can be used for protecting surfaces not to be treated.

### Preparation

#### Masking

Cover / protect areas where cleaning is not desired, including adjoining surfaces where over spray may travel. Plastic (polyethylene) sheets make a very effective barrier. CSP Heavy Duty Cleaner will harm most aluminum, and some glass surfaces. Protection is required! Plants should be covered before and during the application.

#### Mixing

If the product appears to have separated, thoroughly mix the Heavy Duty Cleaner with a drill until it becomes homogeneous once again. DO NOT SHAKE. DO NOT DILUTE.

Wet substrate until Saturated Surface Dry (SSD). SSD occurs when the substrate's pores are filled with water, but the exposed surface is free of any surface moisture (like a sponge that is soaked, but not dripping wet).

### Application

Apply a thick, even layer of Cathedral Stone Heavy Duty Cleaner onto a Saturated Surface Dry (SSD) substrate.

A sprayer is the most effective means of application, however, rolling or brushing on the cleaner will work as well. When brushing, the agitation will cause the product to be more effective. If gel begins to dry, another coat of the cleaner may be applied directly on top of the existing one. If needed, a stiff brush can be used to agitate tough stains.

DO NOT ALLOW PRODUCT TO COMPLETELY DRY ON SUBSTRATE. If product begins to dry, mist the substrate with water in a way that adds moisture but does not wash the cleaner off.

### Dwell Time

Apply test panel to determine the dwell time prior to full application of product. DO NOT ALLOW TO DRY ON SUBSTRATE.

## Removal and Cleanup

After allowing the product to dwell, thoroughly rinse the surface with copious amounts of water (pressure washer). Rinse the substrate well to ensure all cleaner residue is removed. Thoroughly clean and lubricate spray equipment per manufacturers instructions. This process should be done soon after the spraying has been completed.

## Safety Requirements

Proper safety procedures should be followed at all times while handling this product. Refer to the Material Safety Data Sheet for important health/safety information before use. Heavy Duty Cleaner is an acidic gel. It is essential to wear protective clothing and glasses while using this product.

## Limitations

Surface temperatures should be 40° to 95°F (5° to 32°C). Depending on specific conditions, lower temperatures may require an increased dwell time, e.g. 40°F and windy (except when using on limestone, marble, or any calcareous stone).

## Packaging and Coverage

Packaging: Approximately 5 gallons

The product is engineered for thick film build up on vertical and overhead surfaces. Minimum wet film thickness should be 5 mils.

Always test the substrate to ensure accurate coverage rates. Typical coverage rates on a rough porous surface are between 80 - 120 ft sq. Ft. per gallon. Coverage rates on a smooth nonporous surface are typically between 350 and 400 sq. ft. per gallon.

## Storage And Shelf Life

This product must be stored at temperatures above freezing and below 78°F -- and at low humidity. DO NOT ALLOW PRODUCT TO FREEZE. Do not store in direct sunlight. The shelf life of an unopened container is 1 year.

After use, fully seal any unused portion in its original container prior to storage. If the product was previously opened or was stored longer than a year, test in an inconspicuous location for effectiveness.

## Technical Data

Appearance	Clear to light yellow liquid
Specific Gravity	1
Boiling Point	97.2
pH	4.3
VOC content	N/A

**DO NOT ALLOW PRODUCT TO FREEZE!**

## Warning

Not for internal consumption. Keep out of reach of children and animals. Consult Material Safety Data Sheet (MSDS) for specific information.

Notice: The information contained herein is based on our own research and the research of others, and it is provided solely as a service to help users. It is believed to be accurate to the best of our knowledge. However, no guarantee of its accuracy can be made, and it is not intended to serve as the basis for determining this product's suitability in any particular situation. For this reason, purchasers are responsible to make their own tests and assume all risks associated with using this product.

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