



# Cleaner

## Technical Data Sheet

CODE: Xtreme Clean

**Colloidal Silica** is at the heart of concrete technology. It is a substance that reacts with the chemistry of concrete to produce more cementitious material, which translates into higher performance concrete.

*\*Updated May 2018. Subject to change. Contact XtremeHardDensifier.com.*

**SPECIFICATIONS** | Concrete Polishing

### PRODUCT DESCRIPTION

Xtreme Clean with colloidal silica is a mild, non-corrosive, pH-neutral concrete cleanser that improves concrete surfaces. Xtreme Clean cleaning is vital to the continued performance of architectural concrete floors, removing abrasive dirt and debris that can compromise the protection later or scratch the polish. Xtreme Clean is specially formulated to be compatible with a wide range of concrete finishes including decorative finishes, mild yet effective.

Xtreme Clean goes beyond cleansing, adding silica to the surface to reinforce the protection layer, improving resistance to abrasion and liquid penetration.

Xtreme Clean is designed for everyday cleaning of concrete floors. It is an excellent choice for cleaning and maintaining polished concrete and other decorative finishes.

### FEATURES & ADVANTAGES

Xtreme Clean can be used for regular, everyday maintenance of concrete floors, and provides multiple advantages and benefits:

- Mild, safe, and non-corrosive
- Removes abrasive materials
- Adds silica during cleaning
- Maintains and replenishes concrete protection
- Water-based
- Concentrate formula reduces shipping and storage

### SUSTAINABILITY

Exposed concrete is an inherently sustainable flooring solution that is durable, and offers a very long service life with only simple maintenance. It lowers materials and energy consumption by eliminating the need for frequently replaced floor-covering materials. In many situations, the concrete itself is already installed, further reducing materials consumption. Exposed concrete floors require minimal, low-impact maintenance, thereby lowering maintenance energy consumption and eliminating harsh chemicals and solvents used to strip and wax some floor coverings.

Xtreme Clean has specific sustainability benefits:

- Ships as concentrate to lower environmental impacts
- Low-impact, non-solvent cleanser
- Maintains floor finish, reducing energy consumption for floor refinishing

### MATERIALS PACKAGING

Xtreme Clean is packaged as a concentrate. Packaging Details:

- 1 gallon / 3.8 liter container
- 4 gallon / 15 liter package (4 containers, 1 gal/3.8L each)
- 5 gallon / 19 liter bucket
- 55 gallon / 209 liter drum

Xtreme Clean concentrate is intended to be diluted with water before use. \*(See section: Mixing Dilution)

### COVERAGE RATES

Xtreme Clean is designed to use in an auto-scrubber. Calculate coverage-based on the particular auto-scrubber in use, using dilution rate of 2:1. \*(See section: Mixing & Dilution)

### SAFETY PRECAUTIONS

**WARNING: FOR PROFESSIONAL USE ONLY. BEFORE USING PRODUCT, READ MATERIAL SAFETY DATA SHEET (MSDS) AND INSTRUCTIONS ON PACKAGING. ALKALINE CONCENTRATE: CONTACT CAN DAMAGE EYES, SKIN, AND OTHER BODY TISSUES. HANDLE WITH CARE. EYE AND SKIN IRRITANT. DIGESTIVE TRACT IRRITANT; DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. SPRAY MIST IS RESPIRATORY TRACT IRRITANT. USE ONLY WITH ADEQUATE VENTILATION.** Do not breathe vapors or spray mist. Avoid contact with eyes, skin, and clothing. Observe appropriate safety and jobsite controls. Wear appropriate protection including eye protection and chemical resistant gloves. Ensure fresh airflow during application and until dry. If you experience headaches, dizziness, eye watering, or if air monitoring shows vapor/mist levels above applicable limits, wear a properly fitted P100/organic vapor respirator (NIOSH TC-84A approved), used according to manufacturers directions, during application and drying.

### MIXING & DILUTION

Xtreme Clean is shipped as a concentrate. For general cleansing use, it must be diluted with clean potable water in a ratio of 2:1 (i.e. 4 fl. Oz. Xtreme Clean per gallon of water).

For heavily spoiled areas, a stronger mixture can be used, diluted 4:1 (i.e. 8fl. Oz. Xtreme Clean per gallon of water).

\*(For spot cleaning use of concentrate, see section: Spot Cleaning.)

1. Before opening Xtreme Clean container; shake to agitate the concentrate.



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2. Pour one part Xtreme Clean concentrate into mixing container or directly into auto-scrubber.

3. Add eight parts clean potable water to make Xtreme Clean Ready-To-Use (RTU) mixture, or four parts water to make Xtreme Clean Heavy-Soil mixture.

We recommend calculating the quantity of material needed for the immediate work at hand, and only making as much Xtreme Clean RTU mixture as needed. Left over RTU mixture can be stored in an air-tight container, and needs to be used within 2 months after being mixed from concentrate, or the stated expiration date, whichever comes first. Manufacturing date can be found within the batch number on the original packaging. Over prolonged periods of time, RTU mixture may settle. Before using RTU mixture, agitate container to mix contents.

\*Important: The water used to dilute Xtreme Shield concentrate must be clean potable water. Any contaminants in the water could reduce shelf life of RTU mixture.

### EQUIPMENT

Apply using auto-scrubber, or hand mop with two buckets. (One bucket for application and the second for rinse water)

### PRE-APPLICATION

Measure area (square feet/m<sup>2</sup>) that will require Xtreme Clean.

Mix an appropriate quantity of Xtreme Clean for job-size, per instructions in section: Mixing & Dilution.

Sweep, dry mop, or vacuum floor to remove loose dirt and debris.

Gum and other larger residue should be scraped off the floor before cleaning.

### APPLICATION GUIDELINES

The information provided is best practice guidelines for Xtreme Clean. Every project will present variables that may require adjustment of application procedures during the job. These guidelines are based on terminology used within the concrete and flooring industry sector.

#### Auto-Scrubber Application

1. Use according to auto-scrubber manufacturers directions.
2. For heavily soiled areas, increase dwell time.
3. Allow drying. No floor rinsing is required.

#### Hand Mop Application

1. Mop applications require a separate rinse-water bucket to clean and wring mop as it applies Xtreme Clean.
2. Rinse mop in clean water and wring out before re-loading with Xtreme Clean.
3. Replace clean water frequently to maintain effectiveness of cleaning.
4. Allow drying. No floor rinsing is required.

#### Spot Cleaning

Xtreme Clean can be effective for spot cleaning oils grease stains. Use full strength Xtreme Clean concentrate. (Undiluted)

1. Apply a small amount to stain.
2. Allow dwelling for 15 minutes
3. Then gently agitate spot to remove stains.

### NEXT STEPS

Sweep, dry mop, or vacuum daily to remove loose dirt and debris. Integrity and performance of the stain protection layer should be checked yearly by the original installer or similarly qualified professional.

### LIMITATIONS & IMPORTANT NOTE

Xtreme Clean is designed to clean common soiling substances. It is not intended to remove mastic or flooring adhesives.

Jobsite samples are strongly recommended prior to application of all Xtreme Hard Products.

### XTREME CLEAN CLEANER USED WITH

Xtreme Hard ..... (Larger particle densifier)  
Xtreme Shield ..... (Color enhancer & stain reducer)  
Xtreme Clean ..... (Colloidal silica cleaning agent)  
Xtreme Colorz ..... (Penetrating colorant concentrate)

### PHYSICAL PROPERTIES

Appearance ..... tinted liquid  
Odor ..... slight  
VOC Content ..... 96 g/l  
pH ..... apx 9.5  
Freeze point ..... 32 F- (0 C)  
Shelf Life ..... 18 months



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### STORAGE & SHELF LIFE

Xtreme Clean should be kept in the original container when possible, with the lid fastened tightly. Xtreme Clean concentrate has an optimized shelf life of 18 months from the date of manufacture. This date is available on the batch reference number on the original container:

Storage of RTU mixture: Section: Mixing & Dilution

Keep in cool, dry place raised off the floor. Keep in temp. range of 40-100F / 4-38C

\*Important: Do Not Allow To Freeze

### FIRST AID

**Ingestion:** If person is conscious, give ½ glass of milk or water. DO NOT INDUCE VOMITTING. Call poison control center, emergency room, or physician immediately. Never give anything orally to an unconscious or convulsing person.

**Inhalation:** Remove to fresh air and provided oxygen. If not breathing, give artificial respiration. Keep person calm and quiet. Get medical attention immediately.

**Eye Contact:** Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** Wash affected area with plenty of water. Avoid prolonged or repeated exposure.