

MDR HD 100

Mineral Stain Remover

TECHNICAL DATA SHEET



High-Performance Mineral And Stain Remover.

MDR HD 100 CSI Reference

03 01 40 Concrete Finishes
03 10 30 Concrete Finishes
03 10 50 Concrete Finishes
04 01 20 Unit Masonry
04 01 40 Unit Masonry

*standard warranty period is 5 years

Description

MDR HD 100 Mineral Stain Remover is a cleaning solution that dissolves and removes minerals and stains to beautify and create a uniform substrate appearance. MDR HD 100 Mineral Stain Remover can be applied to a wide variety of substrates. This solution is an easy-to-use, spray on, and rinse off detergent that removes most stains (environmentally safe). It is recommended as a pre-treatment to clean masonry surfaces and various substrates. MDR HD 100 Mineral Stain Remover is for professional use only. Once clean, allow the surface to fully dry before sealing or applying a coating.

Recommended Use

- Glass
- Painted Surfaces
- Burnished Block
- Brick and Mortar
- Tiles
- Stones
- Precast Concrete
- Grout
- Lime Stone
- Concrete
- Wood
- Unpolished Marble
- Synthetic Stone
- EIFS
- Uncoated Stainless Steel
- Anodized Aluminum
- Terrazzo

Features & Benefits

- Excellent for removing virtually all deposits including Rust, mineral and metal oxide stains
- Reduces liability and environmental impact
- Removes tannin stains and brightens wood
- Interior uses- Only use in well ventilated area
- Reduces presence of water, which prevents efflorescence

Coverage Rate by Substrate

Coverage rates will vary depending on substrate porosity and texture. Expect to use about 75-250 square feet per gallon depending on a variety of conditions including type of block and design.

The use of fluted, scored block, raked joints, sandblasted or etched surfaces will result in greater absorption and lower coverage rates, by up to 40%. Test these areas for the expected coverage rate before general application.

TEST ON SUBSTRATE PRIOR TO USE

Test Panel

It is recommended to test substrates that may be over sprayed on for compatibility before proceeding. This can be achieved by using the tip of an object and applying a drop of MDR HD 100 Mineral Stain Remover on the substrate. Allow to dry for about 10 to 15 minutes and then rinse off. If the substrate is unaffected, MDR HD 100 Mineral Stain Remover is ideal for the application.



Application Instructions

DO NOT DILUTE. MATERIAL IS READY TO USE.

1. Mist-off the substrate to lightly wet before applying MDR HD 100 Mineral and Stain Remover.
2. Apply using a garden sprayer or airless sprayer without atomizing.
3. Allow to dwell for 1 to 2 minutes.
4. Rinse* starting from the top of the substrate working down. Use even, long strokes that overlap to thoroughly rinse.

*Rinsing Tips:

Use a 40-degree tip during a pressure wash to reduce the likelihood of damaging the substrate. Always maintain at least a 12" distance from the substrate. Overlap horizontal passes for a uniform finish. Follow the manufacturer's PSI recommendations based on the substrate that is being cleaned. Sensitive surfaces like sand-faced brick should be cleaned using a garden hose with a nozzle tip.

Safe Handling

Proper PPE (Personal Protective Equipment) should always be used while using or around someone applying MDR HD 100 Mineral Stain Remover. This could include eye protection, gloves, or respirator. Protect skin from direct contact. Avoid contact with eyes, skin, or clothing. Read the Safety Data Sheet before using.

In case of contact or exposure:

Skin: Wash with soap and water thoroughly.

Eyes: Flush eyes with water for at least 15 minutes and seek medical attention.

Inhalation: Move to fresh air immediately. If irritation develops, seek medical attention.

Precautions

Avoid using on metals, soil, and plants unless tested. Do not use on lime-face brick or polish stones. Low pressure rinsing is recommended for synthetic or dyed substrates to avoid color loss. MDR HD 100 dwell time and rinsing will be dependent on type of deposit, stain and substrate. Use lower rinse pressure when cleaning sensitive substrates. Always rinse completely.

Use material in a well-ventilated area. Protect the work of other trades. Protect shrubbery and other plants with drop cloths, plastics, or other protective materials. Protect automobiles and all other areas not to be coated from overspray. Remove overspray from any windows, automobiles, metal, etc. as soon as possible should it occur. To prevent permanent staining, clean spills or leaks in a timely manner. Do not dilute except for clean up. Do not use for any other application unless specified or recommended by RainguardPro® manufacturer representative. Dispose of any spilled material, empty containers, or diluted rinsing solution in accordance, to federal, state, and local requirements. Additional information can be found on the material Safety and Data Sheet in reference to health hazards, and should be read prior to use.

Store materials in a well-protected area at 45° - 90°F. Avoid freezing temperatures, direct sunlight, & moisture. Keep away from heat sources.



Technical Data

Material Type	Detergent
Active Content	100%
Volume Solids	N/A
Solubility	Water Soluble
Appearance	Slight Amber Color
Odor	Mild
Physical State	Liquid
pH	1.2
Boiling Point	215°F (101°C)
V.O.C.	0
Viscosity	Water Thin
Weight	8.6 lbs / gallon

Warranties

Rainguard Brands, LLC guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Rainguard Brands, LLC makes no other warranty, expressed or implied, and all warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product. Manufacturer shall not be liable for material used outside of its shelf life. For product dating, please refer to the batch number on the product or contact Rainguard Brands, LLC.

Surface conditions and application variables are out of the control of Rainguard Brands, LLC. As such, the applicator agrees to: Follow recommended application instructions, acknowledge limitations outlined in this technical data sheet, contact the manufacturer in the event there are any uncertainties, perform a test panel to confirm fit and finish before any general application. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Rainguard Brands assumes no obligation or liability for use of this information. Contact manufacturer at 888-765-7070 before bidding to confirm warranty provisions and procedures.

SELLER'S LIABILITY UNDER THE SALE OF THIS PRODUCT IS LIMITED TO REPLACING DEFECTIVE PRODUCT. HOWEVER, IF SELLERS FAILS IN ITS ATTEMPT TO REPLACE THE DEFECTIVE PRODUCT, BUYER WILL BE ENTITLED TO A REFUND OF MONIES PAID TO SELLER UNDER THIS PRODUCT WARRANTY. SELLER IS NOT LIABLE FOR BUYER'S LOSS OF PROFITS, BUSINESS GOODWILL, OR OTHER CONSEQUENTIAL DAMAGES, DESPITE ANY FAILURE TO REPLACE THE PRODUCT. BUYER HAS ACCEPTED THIS RESTRICTION ON ITS RIGHT TO RECOVER CONSEQUENTIAL DAMAGES AS PART OF ITS BARGAIN WITH SELLER. BUYER REALIZES AND ACKNOWLEDGES THAT THE PRICE OF THE PRODUCT WOULD BE HIGHER IF SELLER WERE REQUIRED TO BE RESPONSIBLE FOR BUYER'S CONSEQUENTIAL DAMAGES."

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