

INFORMATION / APPLICATION DATA SHEET

SANDSTONE & UNPOLISHED GRANITE CLEANER

JC003

This product must be used by competent stone cleaning contractors, experienced in the use of hydrofluoric acid based cleaning chemicals.

DATA SHEET

PRODUCT DESCRIPTION

JC003 is a strong blue acidic viscous liquid containing Hydrofluoric acid (less than 15%) solution. Surface active agents and inhibitors to prevent iron migration and conforms to BS 8221. Formulated specially for removing heavy grime deposits from weathered areas of sandstone, must be used in conjunction with high pressure water spray for rinsing and all the above must be used in accordance with the manufacturers instructions regarding health and safety.

PRE-CLEANING

It may be necessary to de-grease the area to be cleaned prior to using JC003 and for this purpose we recommend our masonry de-greaser JC008 or JC011, full details covering method of application are described in the JC008 and JC011 Data sheets.

PROTECTION PRIOR TO CLEANING

All glass, polished granite, cooper, bronze, aluminium, limestone's, polished wood and lead flashing, these and similar surfaces must be masked out prior to cleaning,

MASKING MATERIALS

Waterproof masking tape, polythene sheeting (500 gauge) or Tak Pro-Peel (peelable plastic).

PUBLIC AND THIRD PARTY PROTECTION

A tightly screened scaffolding must be erected around the area to be cleaned and the ends of the poles must be plugged to prevent ingress of JC003, warning signs indicating "Chemical Cleaning in Progress" must be placed in view of public.

APPLICATION

Pre-rinse the masonry to be cleaned with high pressure water spray, this will prevent any unnecessary absorption. Apply JC003 undiluted to sandstone or unpolished granite with bristle type deck brush or low pressure chemical spray. Buckets, containers and sprays must be all plastic type.

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Starting at the top of the building apply product JC003 to the area to be cleaned working to natural breaks allow to dwell for 15 or 20 minutes before rinsing with high pressure water fan spray. The viscosity of the product allows JC003 to remain stable on vertical surfaces, especially useful when used on multi-fabric buildings where there is brick or terracotta facings, (The brick and terracotta should not be cleaned with JC003 to avoid bleaching). Do not exceed 20 minutes before rinsing to avoid silica bloom.

Should it be necessary for a further application repeat this procedure.

COVERAGE - Approximately 3.4m²/Litre

RINSING

Pumps capable of delivering 103 BAR @ 18 L/Min are required for the rinsing process. The Fan Jet held approximately 150 to 200 mm away from the surface with slow even movements of the lance until complete rinsing has been achieved.

BASIC RULES FOR HIGH PRESSURE WATER RINSING EQUIPMENT

1. Never point the gun at anyone even if switched OFF.
2. Never work from a ladder.
3. Never use the gun with the trigger locked on.
4. Always ensure your equipment is in first class condition
5. Always wear the correct protective clothing.
6. Only a responsible person who has received instruction in the operation of high pressure water jetting equipment should be allowed to use it.

SAFETY PRECAUTIONS

JC003 is an industrial strength cleaner containing Hydrofluoric acid less than 15% solution (UN1790). Care must be taken when transferring chemical from container to plastic bucket. This product must not be allowed to mix with any other Jetchem product with the exception of JC000, JC001, JC002, JC004 and JC005 or dangerous fumes will be given off.

PROTECTIVE CLOTHING

Full face visor, rubber or plastic gauntlets, rubber boots chemical protective wet suit with hood must be worn, all protective clothing should be thoroughly cleaned on completion and safely stored under suitable conditions.

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COMPLETION OF CLEANING ADDITIONAL PRECAUTIONS

Dilute hydrofluoric acid preparations collecting in scaffold poles or contaminated scaffold boards will tend to lose water by evaporation and can become sufficiently concentrated to cause burns or etch window glass. The opened ends of the scaffold poles should be stopped when JC003 is being used, scaffold end boards should be rinsed thoroughly on completion of cleaning, also rinse all residue from ledges and pavement, and leave site in clean condition. Remove all protective sheeting, tapes and peelable plastic from windows and doors. Empty chemical containers must be filled with water and the cap replaced securely before disposal.

ECOLOGY

When diluted with water the organic ingredients are biodegradable, effluent if washed into the soil will break down rapidly, if product is inadvertently sprayed onto plants or shrubs it should be rinsed off, this will prevent permanent damage to vegetation. Plastic sheeting should be used to protect the plants and shrubs. When used in conjunction with high pressure water maximum dilution of the chemical is achieved and no damage has been found to fish when the residue enters rivers or streams, but contractors are to advise the appropriate authorities before disposal of water waste debris.

DISPOSAL OF CONTAINERS

When empty, containers should be filled with water and then emptied and disposed of in the approved manner.

First Aid - Treatment for Hydrofluoric Acid Burns.

Burns to Skin and Body

Wash the burnt area with copious amounts of water for at least 5 to 15 minutes, and apply calcium gluconate gel on and around the burn, continuing this treatment until the pain has completely subsided or until medical treatment is available. Unlike other acids or alkalis, fluoride chemicals cause burns which may not be noticed until some hours after contact has taken place. Fluorides are absorbed into the blood through skin contact which can result in acute poisoning, therefore immediate medical treatment is essential, therefore always provide a first aid kit, wherever fluoride chemicals are stored or used.

Splashes to Eyes

Irrigate with isotonic saline or clean water for at least 5 to 15 minutes, until medical attention is available. Seek medical attention in all cases.

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SPECIAL FEATURES

Have 25 Litres of clean water available, together with the Hydrofluoric Acid Burn Kit in case of emergencies. When carrying this product, keep separate from all other chemicals with the exception of JC000, JC001, JC002, JC004 and JC005.

Regulatory Information

Consult the Material Safety Data Sheet covering this product for the chemical composition and information on ingredients.

The information provided here does not constitute the users own assessment of workplace risks as required by the Health & Safety legislation.

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For further information regarding the product contact (01706) 828888 or Fax: (01706) 828000
Jetchem Systems Limited, Cuba Industrial Estate, Bolton Road North, Ramsbottom, Bury Lancashire, BL0 0NE

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