



TECHNICAL DATA SHEET

RENDERMIX

DESCRIPTION:

Construction Chemicals RENDERMIX is concentrate integral liquid waterproofer incorporating a fungicidal additive and salt Inhibiter for use in rendering after a chemical DPC has been installed, it may also be used in mortar and concrete mixes RENDERMIX will prevent hygroscopic salt movement causing secondary dampness in rendering.

USES:

As above and also as an additive used to waterproof mortars, renders screeds etc where there is no hydrostatic pressure. For use in internal or external renders, useful as a retarder when dashing.

PROPERTIES:

Chloride free. Compatible with all Portland Cement.

TECHNICAL DATA

APPEARANCE:

Form: Liquid
Colour: Blue

APPLICATION:

Mix for watertight structures:

1st Coat	1:1.5	Cement: Sand
2nd Coat	1:2	Cement: Sand
3rd Coat	1:2.5	Cement: Sand

Rendering post dpc 40:1 WITH WATER

pH:
Boiling Point: 100°C, Water Based
Chloride Content: Chloride Free, no added chlorides

Density: 1.03 approx
Dosage: 5L added to 150L Gauging Water
For normal use: Cement : Sand mixes should be no leaner than 1:3.
0.5L/50kg cement for watertight structures.

RENDAID AS A WATERPROOFER

METHOD OF APPLICATION

Preparation	Surfaces should be sound, clean, free from dust. Smooth surfaces should be mechanically roughened.
Mixing	Mix as for normal renders and mortars using the quantities as shown.
Application	By normal methods.
Curing	Protect all newly placed material from rapid drying out. Especially in sunny and/or windy conditions.
Cleaning	Tools can be cleaned immediately after use with water.
Storage	Waterproofer should be stored in closed containers in a cool, dry place away from extremes of temperature, especially frost.
Shelf Life	12 months in unopened manufacturers containers.
Packaging	Waterproofer is supplied in 5L and 25LT.

HANDLING PRECAUTIONS

CONSTRUCTION CHEMICALS products are generally harmless provided they are used as instructed and that certain precautions normally taken when handling chemicals are observed eg do not allow any material to come into contact with food stuffs.

Avoid prolonged contact with skin. Do not swallow. For specific product safety details, consult the Material Safety Data Sheet.

IMPORTANT NOTE

The information given in this data sheet is based on both current development work and many years field experience.

Whilst every effort is made to ensure that the information is reliable we cannot accept responsibility for any work carried out without materials as we have no control over methods of application, site conditions, etc.

MATERIAL SAFETY DATA SHEET

PRODUCT : CONSTRUCTION CHEMICALS RENDERMIX

(1) Identification of substance/preparation and of the Company

Product Name : CONSTRUCTION CHEMICALS RENDERMIX
Company : CONSTRUCTION CHEMICALS (UK) LTD
75 TOWN GREEN STREET
ROTHLEY LEICESTER LE7 7NW
Telephone No. : 0116 230 1955
Fax No : 0116 230 1944

(2) Composition/information on ingredients

<u>CONTAINS:</u>	<u>CAS NO:</u>	<u>% W/W:</u>
Sodium Silicate	1344-09-8	10 - 20
Sodium Hydroxide	1310-73-2	less than 2%

(3) Hazards Identification

IRRITANT.

Risk of serious damage to eye. Irritating to eyes and skin.
The product is alkali and may cause chemical burns to skin and eyes.

(4) First Aid Measures

Inhalation: Remove to fresh air. Keep warm and at rest.
Eye Contact: Wash eyes with copious amounts of water immediately for 20 minutes and seek medical attention.
Skin Contact: Remove contaminated clothing. Wash skin with clean water. If symptoms occur seek medical attention.
Ingestion: Do not induce vomiting, give patient plenty of water or milk to drink and seek immediate medical attention.

(5) Fire Fighting Measures

Fire Extinguishing Media: Water based product - will not burn.
Use foam, dry powder, carbon dioxide, water.
Special Fire Fighting Procedures: N/A.
Protective Equipment: Avoid contact with skin or eyes; wear protective clothing as necessary.

(6) Accidental Release Measures

Personal Precautions: Avoid contact with skin or eyes; wear protective clothing as necessary.
Environmental Precautions: Prevent liquid from entering drains.
Methods for cleaning up: Absorb spilt liquid using sawdust, sand or earth.
Wash contaminated area with plenty of water.

(7) Handling & Storage

Safe Handling Advice: KEEP IN A SAFE PLACE. Avoid contact with skin and eyes.
Storage: KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS
KEEP OUT OF REACH OF CHILDREN.

(8) Exposure Controls/personal protection

Exposure Limits:
Sodium Hydroxide: STEL and LTEL 2mg/M3
Personal Protection:
Respiratory Protection: Avoid inhalation of aerosols and wear suitable respiratory protection in this event.
Eye Protection: Wear goggles due to risk of splashing.
Hand Protection: Wear protective gloves (PVC/rubber) as required.
Barrier cream is also recommended.
Skin Protection: WEAR SUITABLE PROTECTIVE CLOTHING TO AVOID CONTACT WITH SKIN.

(9) Physical & Chemical Properties

Physical State: Liquid

Colour:	Blue
Odour:	Mild
pH:	Approx. 12
Boiling Point/Boiling Range:	100 C
Melting Point/Melting Range:	N/A
Flash Point:	N/A
Flammability:	Does not burn
Autoflammability:	N/A
Explosive Properties:	N/A
Oxidising Properties:	N/A
Vapour Pressure:	Not known
Relative Density:	Approx. 1.1
Solubility: (water)	Fully soluble
Solubility: (fat)	Insoluble
Partition coefficient: n-octanol/water	

10) Stability & Reactivity

Conditions to Avoid:	See below.
Materials to Avoid:	Fresh aluminium and Zinc surfaces.
Hazardous Decomposition Products:	Hydrogen evolved from above reaction.

(11) Toxicological Information

Inhalation of mist may cause irritation to the respiratory tract. Skin contact may result in irritation. The product is a severe eye irritant; splashes into the eye may cause chemical burns and corneal damage. Ingestion may result in a burning sensation in mouth or throat, inability to swallow, irritation of gastro intestinal tract with nausea and vomiting.

(12) Ecological Information

The product is strongly alkali, will cause an increase in pH and therefore may be toxic to aquatic life.

(13) Disposal Considerations

Waste should be disposed of according to local Authority Regulations; use authorised waste site.

(14) Transport Information

Not regarded as hazardous in transport.

(15) Regularity Information

R41	-	Risk of serious damage to eyes
R36/38	-	Irritating to eyes and skin
S2	-	Keep out of reach of children
S26	-	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37/39	-	Wear suitable gloves and eye/face protection

(16) Other Information

The (COSHH) Control of Substances Hazardous to Health Regulations 1988 may apply to the use of this product at work.

The information contained on these sheets is, to the best of our knowledge, true and accurate, but any recommendations or suggestions are made without guarantee.