



## **RESTOR-RAPID SET/FILLET SEAL**

Restor Set Rapid and Fillet Seal are chemically similar. The main difference being the setting /curing times.

Restor Set Rapid is usually used for plugging when running water is the problem. It can be applied by a gloved hand or by trowel to stem the water-flow.

Fillet Seal is usually used to construct a 'fillet' at the wall/floor joint. This joint is traditionally an area of water ingress in a below ground situation. Fillet seal does not set as quickly as Rapid Set giving the user more time to construct a fillet.

## **RESTOR RAPID SET**

Contains hydraulic cements, blended and formulated with chemical modifiers and graded quality aggregates. To produce a ready to use, ultra rapid setting plugging mortar, it requires the addition of clean water only.

### **USES**

Provides a seal against active water and water pressure.

Seals against water ingress at junctions of floors and walls, construction joints and fractures in concrete.

Rapid anchoring of fixings

As a joint filler for caulking concrete sections in pipework

## **RESTOR FILLET SEAL**

A cement based, rapid curing, non shrink hydraulic setting powder. Used at points of stress i.e. floor/wall junction and applied normally by trowel. Applied at a rate of 15-20 linear metres per 25 kgs subject to site conditions and requirements.

### **ADVANTAGES**

Expansive, ensuring a watertight seal

Rapid set typically 3 minutes

Instantly stops running water

Does not contain high alumina

Excellent bond characteristics

Sulphate resistant

### **METHOD OF USE**

Surface preparation. Cracks should be cut out to a minimum depth and width of 20mm, preferably undercutting. Do not featheredge.

### **MIXING**

Mix powder to clean water only, preferably in a rubber bowl. For damp cracks and fillets the mix should be semi-wet. For active water, mix to a stiff consistency. For cracks do not mix more than can be placed in 5 minutes, for active water no more than can be placed in 2 minutes. All mixing by hand only.

### **APPLICATION**

Dampen surface where necessary and force in Restor Rapid Set and finish with a fillet trowel. Where water pressure is highest, work towards point of greatest pressure and finish by hand, forcing material against water pressure until set. Cut off excess material from face within 3 minutes. Dampen fillet after application.

### **CURING**

Where heat generation takes place, cool with water for 10 minutes after application.

## **LIMITATIONS**

The use of warm water is acceptable at 5 degrees centigrade.

## **PRODUCT DATA**

Water addition:            Approx. 1 part of water to 4 parts Restor Rapid Set  
Coverage:                    2142 CM3/25Kg  
Initial Set:                   3 Minutes  
Working Time:                2.5 Minutes at 20 degrees centigrade

## **PACKAGING**

25kg bags or buckets

## **HEALTH & SAFETY**

Cementitious based materials can be hazardous to health. Wear protection or masks when mixing dry powder. Use in ventilated area. Wear gloves or barrier cream if allergic to cement based products

## RESTORATION UK FILLET SEAL/RESTOR SET RAPID

### 1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

Product RESTORATION UK FILLET SEAL/RESTOR SET RAPID  
Application Non shrinking grout for underground waterproofing

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description Cement - preparation

HAZARDOUS CHEMICALS

Name	% w/w	CAS	EINECS	SUPPLY CLASS
Portland Cement	>50	65997-15-1		Irritant R36/38-43

3. HAZARDS IDENTIFICATION Irritating. May cause sensitisation by skin contact.

### 4. FIRST AID MEASURES

Eyes Flush with plenty of water (10-15 min.) Obtain medical attention immediately.

Skin Flush away with water and rinse.

Ingestion Drink plenty of water. Do NOT induce vomiting. Call for medical attention.

Inhalation Call a doctor should the air passage be affected.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media Product is not combustible.

Fire and Explosion Hazards None. If handled and stored correctly.

Protective Measures Not necessary.

### 6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal Precautions Take the precautions customary when handling chemical. Refer to protective Measures listed in section 7 and 8.

Recovery Take up mechanically.

#### 7. STORAGE AND HANDLING (IN NORMAL USE)

Storage	Protect from humidity.
Ventilation	Adequate
Handling	Avoid contact with skin and eyes. Normal precautions taken when handling chemicals should be observed. Avoid contact with humidity.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (NORMAL USE)

##### Occupational Exposure Limits

Name	8Hr TWA	10 Min	Type	Ref
Respirable Dust	4 mgm3		OES	EH40/98

Engineering Measures Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the OEL, suitable respiratory protection must be worn.

Personal Protective Equipment Do not eat or drink during work. No smoking. Wash hands before breaks and after work.

Respiratory Avoid inhaling the powder. Ensure good ventilation.

Hand Wear protective gloves.

Eye Use tightly fitting safety glasses

Other

#### 9. PHYSICAL / CHEMICAL PROPERTIES

Appearance	Grey powder
Odour	Odourless
Bulk density	1.4 kg/l
pH as delivered	11-13-5
Flash Point	-
Solubility (20°C)	1.5 g/l

#### 10. STABILITY AND REACTIVITY

Conditions to avoid	Avoid contact with humidity
Materials to avoid	None known
Hazardous decomposition products	None Known

#### 11. TOXICOLOGICAL INFORMATION

There is no data available on the preparation itself.

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (88/37/EEC)

#### 12. ECOLOGICAL INFORMATION

The unused product is a minor water pollutant. Large quantities may be toxic to fish. Do not empty into drains.

#### 13. DISPOSAL CONSIDERATIONS

In accordance with local official regulations. Pass on to appropriate waste dump. Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the product.

#### 14. TRANSPORT INFORMATION (REGULATIONS)

Packaging (Size and description)	25 kilo bag
Transport Classification	-
Substance Identification Number	-
Proper Shipping Name	-
ICAO/IATA/IMDG Class	-
Subsidiary Risk	-
Packing Group	-
ADR Class	-
Transport Hazard Symbol	-
Hazard Ident Number	-
Emergency Action Code	-
Other	-

#### 15. REGULATORY INFORMATION (Supply & Labelling)

Supply Classification	Irritant
Hazard Pictogram	Black St Andrews cross on orange background.
Risk Phrases	R43 May cause sensitisation by skin contact. R36/38 Irritating to eyes and skin.
Safety Phrases	S37 Wear suitable gloves. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S24/25 Avoid contact with skin and eyes.

Other Applicable Regulations

16. OTHER INFORMATION

REVISION 1

ISSUE DATE 09/04/1997  
REVISED 23/07/1999

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