

# PRODUCT DATA SHEET

## Monoset® RXG

### RAPID HARDENING POLYMER MODIFIED WATERPROOF CONCRETE

#### DESCRIPTION

Monoset® RXG is a prepacked polymer modified waterproof concrete designed for repairing existing floors or laying new floors where waterproofing and speed of strength gain is of paramount importance. Monoset® RXG is manufactured from a blend of non-shrink cements, rapid hardening fillers and waterproofing admixtures. Monoset® RXG will achieve a monolithic bond to most cementitious substrates and will accept heavy traffic within two hours of placement. The performance of the product is certified under the Hong Kong Concrete Institute (HKCI) Product Conformity Certification Scheme for Repair Mortars (PCCS-RM) Class S and is suitable for repairs to concrete with a characteristic strength (fcu) up to at least 33 MPa.

#### USES

- Driveways
- Carparks
- Loading bays
- Roadways
- Bridges

#### CHARACTERISTICS / ADVANTAGES

- High early strength gain
- Reduce down time and disruption
- Water based low odour formulation
- Excellent waterproofing characteristics
- Conforms to Hong Kong Highways Department specification
- Low VOC

#### PRODUCT INFORMATION

<b>Packaging</b>	34.75 kg per pack (30 kg bag of powder & 4.75 kg drum of liquid)
<b>Appearance / Colour</b>	Concrete grey
<b>Shelf life</b>	6 months from the date of production
<b>Storage conditions</b>	Stored properly in undamaged and unopened original sealed packaging in the dry conditions at temperature range +5 °C to +35 °C. Protect from direct sunlight and frost.
<b>Density</b>	Approx. 2300 kg/m <sup>3</sup>

## Product Declaration

### Characteristics For Repair Mortar (from PCCS-RM Cl. 5.1 Table 1)

Test Method	Test Description	Age at Test	PCCS-RM Specification (Class S fcu 33)	Monoset® RXG Typical Performance
TM1	Compressive Strength	28 days	≥ 40	47 MPa

\* All of the above data complies with Product Conformity Certification Scheme.

## TECHNICAL INFORMATION

Compressive Strength	Age at Test	Monoset® RXG (with aggregate) Typical Performance	Test Method
	2 hours	> 20 MPa	BS 6319 : Part 2 : 1983
	28 days	> 40 MPa	BS 6319 : Part 2 : 1983

  

Shear Adhesion Strength	Age at Test	Monoset® RXG (with aggregate) Typical Performance	Test Method
	28 days	> 22 MPa	BS 6319 : Part 4 : 1984

  

Shrinkage	Age at Test	Monoset® RXG (with aggregate) Typical Performance	Test Method
	1–28 days	No cracks between 1 & 28 days	HKHA/MTS Specification Part D Clause 2.1.6

## APPLICATION INFORMATION

Consumption	Approx. 60 packs/m <sup>3</sup> Approx. 40 packs/m <sup>3</sup> (with 20 kg 5–10 mm aggregate added per pack)
Ambient Air Temperature	> 5 °C
Application Time	Approx. 30 min (at 20 °C)

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Provide structurally sound and clean substrate to receive high strength screed. Ensure the surface is free from grease, oil, dirt and other deleterious material. Soak substrate with potable water. Remove any surface water or puddles before priming. Apply Monoset® Primer.

### MIXING

Mix components using drill and paddle or mechanical pan mixer close to area of use. For application thickness over 25 mm, maximum 20 kg 5–10mm aggregate can be added to each bag of Monoset® RXG powder.

### APPLICATION

Trowel apply onto wet or tacky primer. Finish with float or trowel. When bedding, the underside of the component must also be primed.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with clean water immediately after use.

### FURTHER INFORMATION

Do not install at less than 25 mm thickness for vehicle traffic.

### BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTES

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### Product Data Sheet

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