SHEZ DAMP GUARD

Cementitious Damproofing System - Seal Dampness In Internal Walls And Underside(Soffit) Of Concrete Floors

INTRODUCTION

Shez Damp Guard system is specially formulated for sealing dampness in Internal surfaces of masonry and concrete walls and underside of concrete floor slabs (soffit). The system is cementitious based and only requires the mixing of clean water. The Initial and final bonding capability of Shez Damp Guard system is suitable for application to both vertical and horizontal surface on concrete, block work, cement plaster etc. The system consist of two powders that are mixed with water. It is a combination of sealing sub surface voids and pores by penetration and surface sealing.

APPROPRIATION

• For sealing dampness in internal surfaces of masonry and concrete walls and underside of concrete floors.
• Sealing on negative and positive side of the substrates

IMPORTANT NOTE:
• This system is NOT recommended for sealing areas where water seepage and flowing water leaks exists. The system is recommended only for sealing of dampness.



CHARACTERISTICS

• Good adhesion to almost all surfaces.
• Hard wearing and seamless
• Excellent water proof and flexible in nature.
• Resistant to positive and negative pressure.
• Applicable on a day old concrete and masonry structures.

PRODUCT MANAGEMENT

The surface must be perfectly clean, solid and free from non adherent parts, loose cement, traces of form stripping oils, old varnishes. Surface containing skim coat, wall putty, or paints, they must be removed to expose the concrete or masonry cement surface.

Saturate the surface well with water and remove the excess water before application. The surface must be damp prior to application.

The Shez Damp Guard system must not be applied in areas of water seepage however slow the seepage may be. All water seepage and flowing water leaks must be sealed with other repair methodologies before application of the system.

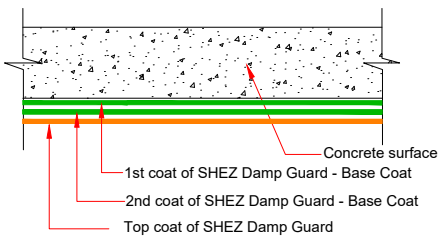
All shrinkage and non-moving structural cracks having a width equal to or less than 0.3mm must be repaired prior to application of the combo system.

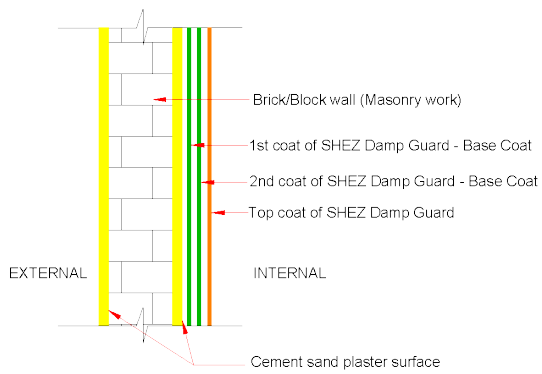
TECHNICAL DATA AND PROPERTIES

	BASE COAT	TOP COAT
Appearance	Cementitious Powder	Cementitious Powder
Color	Grey	Grey
Bulk Density	1.4Kg/m^3 approx	1.5Kg/m^3 approx
Compressive Strength	25 N/mm^2 (BS 1881)	57.5 N/mm^2 (BS 1881)
Bond Strength	>1.5N/mm^2	
Water Vapor Resistance	3MN sg^{-1}	
Elastic modulus (static):	18K/Nm^2@28 days	
Initial Setting time	2 Hours @20^{0}C	2 Hours approx
Application Temp	+50^{0}C to 60^{0}C	+50^{0}C to 60^{0}C
Penetration rate		2mm/7 days
Flexural Strength		10.3 N/mm2 (BS 6319)

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METHOD OF APPLICATION:





GENERAL APPLICATION:

Base coat Application Shez Damp Guard system – Two coats.

Base coat pack - 3 kgs

Always add water to Shez Damp Guard Base coat powder. Add 400ml of water per 1 kgs of powder, to get a thick creamy consistency

Coverage for Base coat: 1kg/m^2/per coat. Apply two coats.

Applications: Shez Damp Guard Base coat is applied by brush. Apply the material in two coats at right angles. The second coat must be applied whilst the first coat is firm but fresh (usually 3 to 4 hours after the first coat). The mixed material should be used within 20 minutes after mixing. If the mixture starts to set, do not add more water, but stir well to improve the workability.

Curing: The Shez Damp Guard Base coat must be prevented from drying out too rapidly and should be mist sprayed in the first 5 days, if it is noted to be drying out. Allow the base coat to fully dry which may take a period of 5 to 7 days.

Top coat application of Shez Damp Guard system – One coat

Top coat pack – 1.5 kgs

Always add water to the topcoat powder. Mix 230ml of clean water per 1kg of Shez Damp Guard top coat powder. The Damp Guard powder and water must be thoroughly mixed and used within 20 minutes. Stir the mixture frequently. If the mixture starts to set, do not add more water; simply stir the product to restore work ability. Apply one coat using a trowel or a brush in a horizontal brushing action at 1kg per m^2.

COVERAGE

A 4.5 kg set of Shez Damp Guard consists of 3kgs of base coat and 1.5kgs of top coat to cover an area of approximately 1.5M^2.

PACKING & STORAGE

Shez Dam Guard is available in 4.5kg kit. Shez Damp Guard should be stored in cool, dry and shaded warehouses. Shelf life is 12 months. when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience.
Excessive humidity and over exposure to UV will result in the reduction of shelf life.

HEALTH & SAFETY

Shez Damp Guard contains no hazardous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling.
Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each product.