



إنوشيم انترناشونال ش.ذ.م.م

InnoChem International L.L.C.
Waterproofing & Insulation Materials

I-POXY-860

Technical Data Sheet

SOLVENT FREE SELF-LEVELING EPOXY SCREED

I-POXY-860 is a high build three component, solvent free epoxy self-leveling screed. It cures to form a tough, chemical and abrasion/ resistant floor finish. I-POXY-860 system is available in a range of standard colors.

USES

It is suited for areas where high resistance is required against chemicals, oils, grease etc. as in Chemical plants, Laboratory, Car Park, Dairies, Workshops, Manufacturing plants etc.

FEATURES

- Low maintenance cost.
- Excellent wear and abrasion resistance.
- Highly chemical resistance.
- Surface can be easily cleaned – Hygienic.
- Available in a variety of colors.

TYPICAL PRODUCT CHARACTERISTICS

Pot Life @ 200C	:	40-45 minutes
Cure Time	:	1 day @ 20°C
Coating Interval	:	3 days @ 20°C
Compressive Strength	:	> 70 N/mm ²
Flexural Strength	:	> 40 N/mm ²
Tensile Strength	:	> 14 N/mm ²

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SURFACE PREPARATIONS

New concrete must be 28 days old. The surface to be coated must be clean, dry and free from curing compound and excessive laitance. This can be achieved by shot blasting, grinding etc. Laitance can be removed by solvent and then thoroughly cleaned and washed with clean water. Before actual application of I-POXY -860, remove any dust or loose particles by vacuum cleaning and allow the surface to dry completely.

FOR OLD CONCRETE

The surface must be free of all dust, coating, curing compound if any, oil, grease and any other foreign particles. Oil and grease can be removed by using Chemical Degreaser. Cleaning of old concrete can be carried by sand blasting, grinding, and water-jet blasting. However, ensure that the surface to be coated with I-POXY is dry before applying primer. Any damaged or Surface irregularities should be repaired using I-POXY Putty.

PRIMING

Prime the surface using I-POXY -410 PRIMER. Apply single coat at a rate of 5 - 6 m²/ltr depending on the substrate profile. Ensure the primer is uniformly applied. Primer can be applied with a normal roller or stiff brush. Allow to dry for 2 to 4 hours to get a tack free surface. Second coat of primer can be applied if the substrate is excessively porous.

APPLICATION PROCEDURE

Mix part A & part B uniformly and then add Part C slowly under stirring with a slow speed drill fitted with a paddle. Mixing to be carried out for 3- 5 minutes until a homogeneous mix is obtained. Do not add solvent thinner to the mix. After mixing, pour the coating onto the prime substrate and spread using a notch trowel with required thickness (minimum 500 microns). Then entrapped air should be removed with a spike roller immediately after applying the material. Do not over run the spike roller when the material starts drying which will affect the flow & leveling of the coating's



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CHEMICAL RESISTANCE

Alkaline Solutions	:	Good
Acidic Solutions	:	Good
Hydrochloric acid (35%)	:	Good
Sulphuric acid (50%)	:	Good
Fuel	:	Good
Gasoline	:	Good
Detergents	:	Good

TECHNICAL SERVICES

Technical assistance and information are available by calling **INNOCHEM INTERNATIONAL. (L.L.C.)** on specific application.

HEALTH & SAFETY

Use normal safety precautions. Wear rubber hand gloves, safety shoes and safety goggles while using and handling the product. Avoid contact with skin and eyes. In case of accidental contact with eyes, wash with plenty of water and seek medical treatment immediately.

ISSUE DATE: OCTOBER 2018

This technical specification supersedes all previous data Sheets

DISCLAIMER

Use this leaflet as a guide for the use of the product concerned. The information given is in accordance with latest technical developments. However, we cannot accept liability / responsibility for any work carried out with our materials, as we have no control over the method of application used or the condition of site involved.

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COVERAGE

I-POXY-860 : 1 Lit/M²/mm thickness

I-POXY-410 Primer : 5-6 sq/m/liter (1 coat recommended)

PACKING

18 Liter. Kit (Base + Hardener)

CLEANING

Tools may be cleaned with INNO Solvent immediately after use. Once dry, by mechanicals means only.

STORAGE/SHELF LIFE

One year from date of manufacture if stored in sealed packs below 25 degrees C°.



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