

ROCKMAX® EPOGARD T



TAR EPOXY COATING

CHEMICAL RESISTANCE AND WATERPROOFING CONCRETE

INTRODUCTION

Rockmax Epogard T is a two component epoxy coal tar waterproofing. Cured material provides high chemical resistance, good abrasion and durability to concrete structures. It can protect concrete from chemicals, dilute acids, salt waters, high chlorine concentrate, alkalis, solvents.

AREA OF USES

Rockmax Epogard T is used for coating and lining concrete such as water retaining tanks, waste water tanks, sewages, tunnels, reservoirs, retaining walls, septic tank, chemical tanks, sea water concrete structures, cooling tower tank.

ADVANTAGES

- Excellent chemical resistance.
- Excellent abrasion resistance.
- Protect against salt water attack.
- Hard wearing surface.
- Corrosion resistance.
- Waterproof.
- Protect moisture movement.
- Good adhesion to concrete.

TECHNICAL PROPERTIES

Standard color:	dark brown
Chemical base:	epoxy and coal tar
Form:	liquid
Solid Content:	70%
Mix ratio (A:B):	6 : 1 (by weight)
Tensile strength:	15 N/mm ² (7 days)
Adhesion to concrete:	>2.0 N/mm ² (7 days)
Pot life (30°C):	45-50 minute
Over-coating (30°C):	12 hours
Foot traffic (30°C):	24 hours
Full Cure (30°C):	7 days
Application temp:	5°C - 35°C
Max services temp:	65°C
Max relative humidity:	85% R.H.
Coverage rate (roller):	0.25 – 0.30 kg/m ² /coat
Number of coat:	minimum 2 coats
Thickness per coat (WFT)	
:	150-200micron (approx)
Total thickness (WFT) :	400 micron (approx)

Note: The figures are theoretical and test on control environment laboratory. Actual measured data may vary due to circumstances.

PREPARATION

Concrete must be sound, clean and free from oil, grease, wax, cement paste, dust, dirt and any other contaminants. Concrete must be at least 28 days and minimum Compressive strength 25N/mm² and minimum tensile strength (pull off) at 1.5 N/mm². The moisture content in concrete must be lower than 6%. The substrate should not have a relative humidity more than 85% at installation period. Total enclosed grinding, high water pressure jet, or scarifying must be employed followed by vacuuming. All holes and voids must be repaired prior to installation. Seal the surface with moisture barrier or modified epoxy cement in case of surface subject to rising damp or moisture movement. Please consult **Rockmax** for more information.

PRIMING

No priming required.

MIXING

Stir base and hardener component separately approximate 10 second. Pour part A and part B together in the bucket and continue mixing for 3 minute until homogeneous. Avoid whipping air into the material. It is recommended that only full units to be used, that all components are thoroughly mixed. We do not recommend using partial kits and reduce or dilute materials.

APPLICATION

Applied **Rockmax Epogard T** by roller or stiff nylon type brush. Allow the first coat dry at approximate 12 hours (30°C) and the second coat must be applied not more than 48 hours after the first coat application. When finished the application protect the coating from water.

CLEANING

Clean all tools and equipments immediately with thinners or solvents. Hard material must be removed by mechanical means.

LIMITATIONS

- Do not apply over existing coating.
- Do not apply on surface have standing water.
- Do not dilute product by any solvents or thinners.
- Do not partial mix.

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- For damp surface application, please consult **Rockmax**.
- To avoid water spot on the surface, Do not apply material when ambient temperature reach dew point before the coating has cured.
- Do not apply on modified cementitious mortar substrates such as acrylic polymer, latex, PVA, SBR polymers.

IMPORTANT NOTE!!

The technical information contained herein, while not guaranty, was prepared and approved by technical personnel and is true, accurate to the best of our knowledge. No warranty or guaranty is made regarding performance, stability or other factors beyond our control. Rockmax will welcome to be consultation of our performance and application. This technical datasheet supersedes and issue new edition without prior notice.

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PACKAGING

24.50 kg set (A+B).

Part A: 21.0 kg and Part B: 3.50 kg.

STORAGE

Storage in shade and dry condition. Avoid from frost, water, UV, moisture and high temperature.

SHELF LIFE

12 months if kept follow instruction and un-open.

PRECAUTIONS

Avoid contact with skin and eye. Avoid inhalation. Harmful effects may cause during application and care must be taken. Do not expose to flames or other sources of ignition. No smoking allowance. Ventilation must be provided. Some components of this product may be hazardous during mixing and application. Keep out of reach of children. MSDS is available upon request.

CONTACT DETAIL

THAILAND

Rockmax Company Limited

T: +66 2 8648658

F: +66 2 4184327

E: info@rockmax.net

W: www.rockmax.net

VIETNAM

Viet Dai Viet Chemical Company Limited

T: +84862615184

F: +84862615185

E: rockmaxvn@gmail.com