

GTC Paints Company Ltd.

P.O. Box: 24445 Safat - 13105 - Kuwait
Sabhan Tel.: 24710120 - Fax : 24761261
Shuwaikh Tel.: 24848285 - Fax : 24837138
Capital : K.D. 1,000,000 - C.R.: 20117



شركة أصباغ جي تي سي المحدودة

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**** GETOXY (GEM Series / GEC 477) **** **** HIGH BUILD MASTIC ****

PRODUCT DESCRIPTION:

A two-pack, High Build and High Performance Polyamide-cured Epoxy Coating intended for application as an Intermediate or Finish coat over Steel Structure as well as Concrete Substrates in New Construction and Maintenance & Repair Projects.

SPECIAL FEATURES:

- ☐ High film build offering additional protection to steel / concrete surfaces in a single coat application.
- ☐ Can be used over a wide range of two pack Epoxy Primers where resistance against fumes and spillages of mild acids and alkalies is anticipated.
- ☐ Perfectly suitable for over application with Epoxy, Polyurethane and Conventional Paints.
- ☐ Provides a hard and tough film with a very good abrasion resistance.
- ☐ Exterior durability and resistance to aggressive environments.
- ☐ Can be used as an Intermediate Coat in Epoxy/Polyurethane Protective Coating System(s) where extended overcoating intervals are anticipated.

AREA OF USES:

As a protective and decorative Intermediate and/or Finish Coat over Externally / Internally exposed steel and concrete surfaces in aggressive environments i.e.,

- ☐ Tank External Surfaces
- ☐ Structural Steel
- ☐ Objects subjected to transit and handling damage
- ☐ Power Plants & Refinery Structures
- ☐ Petrochemical Plants

PRODUCT DATA :

FINISH	:	SEMI-GLOSS
COLOUR	:	White & Selected Colour Range
VOLUME SOLIDS	:	54 %
PRODUCT WEIGHT	:	1.35 kg/ltr.
		Wet : 185 microns per coat (approx. 7.3 mils)
REC. FILM THICKNESS	:	Dry : 100 microns per coat (approx. 4 mils)
THEO. COVERAGE	:	5.4 m ² /ltr.
		Practical coverage primarily depends upon nature of surface profile, method of application and site conditions.

MIXING RATIO	:	Base : Curing Agent
		4 : 1 (by volume)

POT LIFE	:	Ambient Temperature	10 °C	25 °C	40 °C
			50 °F	77 °F	104 °F
		No. of Hours	8 hrs.	4 hrs.	2 hrs.

FLASH POINT	:	Base	:	23 °C (73 °F)
		Curing Agent	:	23 °C (73 °F)
		Mixed	:	23 °C (73 °F)

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DRYING TIME:

SUBSTRATE TEMPERATURE	TOUCH DRY	HARD DRY	FULL CURE TIME	OVERCOATING INTERVALS	
				MINIMUM	MAXIMUM
10 °C (50 °F)	4 hrs.	24 hrs.	10 days	36 hrs.	10 days
25 °C (77 °F)	3 hrs.	16 hrs.	7 days	24 hrs.	7 days
40 °C (104 °F)	1 hour	12 hrs.	5 days	16 hrs.	4 days

STANDARDS & APPROVALS:

Supportive information is available upon request to establish an assessment to be acquired as with regards to product's compliance with/to a particular authority's queries / specifications. *Please consult with GTC Technical Service Dept.*

SURFACE PREPARATION:

1. Degrease areas where grease, oil, soil and surface contamination exist in accordance with **SSPC-SP1 Solvent Cleaning**. (Use **GTC002 Thinner**).
2. Ensure priming coat is dry, clean and free from dust and other contaminations.
3. Areas where corrosion and rusting are experienced should be prepared in accordance with Specification Requirements of **selected anti-corrosive priming and intermediate coats**.

APPLICATION DETAILS:

☐ PURPOSE OF USAGE:

Intended for **a single or two high build application coats** over well prepared and suitably primed steel and concrete surfaces.

☐ MIXING & THINNING:

Material must be properly mixed and is recommended for thinning with **GTC099 Thinner** as per below table:-

Application Method	Brush/ Roller	Conv. Spray	Airless Spray
Thinning by Vol (% Max.)	10 %	15%	5 %

☐ NOTES:

- ◆ For maximum performance, curing temperatures should be above 10 °C (50 °F) since material will not adequately cure below 5 °C (41 °F).
- ◆ Two pack epoxies are commonly known to chalk upon external exposure.
- ◆ It is not recommended to apply two pack epoxy material over 50 °C (122 °F).
- ◆ For overcoating with conventional paints over coat after 16-24 hours.
- ◆ Brush and roller application is intended for confined areas only; whereas multi-coats will be required to achieve recommended D.F.T. using Conventional Spray Equipment.

☐ CLEANING:

For cleaning tools and equipments use **GTC099 Thinner**.

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APPLICATION CONDITIONS :-

At a temperature ranging 5°C (41°F) to 40°C (104 °F) . Relative humidity is below 75%.

STORAGE & HANDLING :-

Product must be stored as per local regulations and should be kept in dry well ventilated location far from heat and direct sunlight. Can should be tightly closed after use. Mix well before use. Storage temperature range between 5°C (41°F) to 40°C (104 °F).

SAFETY PRECAUTIONS:

The following notes should be considered when using/applying painting material:-

- Take precautions to prevent material entering the eyes (goggles should be worn, irrigate the eyes with water when become contaminated and obtain medical care at once).
- Take precautions to avoid skin contact (gloves should be worn, barrier cream should be used).
- Ensure that repeated contact of paint with skin is avoided.
- Provide adequate ventilation. (Face masks must be worn).
- Keep away from sparks and open flames (for solvent-based materials).

DISCLAIMER:

- ◆ The information given in this data sheet is for guidance only and is done to the best of our knowledge at the date of printing/issuing.
- ◆ GTC reserves the right to change the content of this data without any prior notice.
- ◆ Since we have no control over either the nature or condition of the substrate or different factors which effect the use and application of our products; therefore, no liability can be accepted on basis of this data sheet, unless we specifically agree in writing as to the suitability of the recommended product for the intended purpose; and furthermore, application of this product should be carried out under our control and direct supervision.
- ◆ Product data are subject to change without notice and become void five years from the date of issue.

PACKING : ☐ 3.6 Ltr Tins (Base + Curing Agent)
 : ☐ 18 Ltr Tins (Base + Curing Agent)
ISSUANCE DATE : August 2017
ORIGIN : Manufacture in Kuwait by GTC Paints Company Ltd.
ADDRESS : GTC PAINTS COMPANY LTD.
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