

Technical data sheet

APPLICATION INSTRUCTION

▪ SURFACE PREPARATION

➤ **Wall:**

+ For new concrete:

- The concrete should be laid on nylon sheets or HDPE to block moisture from underground.
- Left the concrete for curing to solid and dry for about 3-4 weeks. Then, clean the surface from dust, dirt, grease and most importantly, the surface is completely dry. (Check moisture content must not exceed 4%)

+ For old concrete:

- Remove old paint film at areas that loose adhesion to as much as possible by Scraping with a shovel or Grinding machine to enhance adhesion. Then, clean the surface from dirt, grease and most importantly, the surface is completely dry. (Check moisture content must not exceed 4%).

➤ **Before Recoat by Topcoat:**

- Remover all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning before coating.
- If primer / first topcoat layer was applied over last 7 days, gives surface cleaning by sand paper no. 320-400 then follow SSPC-SP1, Solvent Cleaning before next coat applied.
- Surface repair (cracks, pores, holes) done with suitable materials and polishing of surface with suitable equipments.

▪ MIXING RATIO

Mixing ratio	Part A	Part B
By volume	4	1
By weight	4	1

Stir well Part A and Part B separately.

To ensure painting system achieves drying time and designed physical properties, recommended mixing ratio should be strictly followed.

Gradually pour Part B into Part A, stir well in 2 – 3 minutes with dedicated stirrer until homogeneous. Leave the mixture for stabilization in 5 minutes before applying.

▪ APPLICATION

Equipment / methods:

Brush, roller, conventional spray, airless spray

For airless spray gun:

- Nozzle tip size : 0.012" – 0.019"
- Angle to the surface : 65° – 80°
- Pressure at nozzle : -

Paint film thickness:

	Min	Standard	Max
- Dry film thickness (DFT):	40µm	50µm	60µm
- Wet film thickness (WFT):	85µm	106µm	127µm

Film thickness will vary and is calculated as average.

Technical data sheet

Dilution ratio:

Paint is ready to use after proper stirring until homogeneous.

Add in **maximum 5% TOA epoxy thinner #31 by volume** if thinning is necessary.

Dilution percentage is depending on ambient temperature, relative humidity, paint film thickness, equipment and application method.

CERTIFICATION

TCVN 9014:2011 – National technical regulation on Epoxy resin paints certified.

QCVN 08:2020/BCT – National technical regulation on the limits of lead content in paints certified.



HANDLING AND STORAGE

The product must be stored in accordance with national regulations.

Store in a dry, cool, good ventilation area; far from heat, open flame, flammable materials.

Tightly closed when not in use.

Keep out of reach of children.

Stir well before use, paint should be used up when lid opened.

Storage temperature is recommended at 25°C – 30°C.

Do not apply when temperature is lower than 15°C or higher than 40°C.

Do not apply when relative humidity exceeds 75%.

Surface temperature should be at least 3°C higher than the dew point of the air.

HEALTH AND SAFETY

Please do not handle until all safety precautions have been read and understood.

Keep away from heat, sparks, open flame, hot surface. No smoking.

Wear protective gloves, respirator, eye protection, protective clothing.

Avoid contact with skin, eyes or ingestion. Go right to the nearest health center for help in case of ingesting paint or paint contacts with eyes.

Avoid release to the environment. Treat discarded paint according to environmental law.

See more guidelines in the Safety Data Sheet.

PACKAGING

net volume (liter)

volume of can (liter)

Issued: 02/12/2022

This Technical Data Sheet supersedes those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Safety Data Sheet (SDS) for this product.

Page: 3/4

Technical data sheet

EPOGUARD VARNISH Part A

3 | 4 | 16

3.785 | 5 | 20

EPOGUARD VARNISH Part B

0.785 | 1 | 4

0.8 | 1 | 5

SHELF LIFE

24 months from manufacturing day when stored at 25°C – 30°C

DISCLAIMER

The information in this data sheet is given to the best of TOA's knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, TOA cannot guarantee anything only the quality of the product itself. TOA reserves the right to change given data without notice.

Revision: 01

Issue: 02.12.2022

TOA PAINT VIETNAM CO., LTD

Factory: Lot L2,3; Road No.2, Tan Dong Hiep A IP,

Di An city, Binh Duong province

Tel: 0274 3775 678 – 3775004

Fax: 0274 3775005

Website : www.toagroup.com.vn

OFFICE

Flat 8, Room 8.5, E-Town 3 Building,

364 Cong Hoa street, ward 13,

Tan Binh district, Ho Chi Minh city

Tel: 028 38131999

Fax: 028 38131114