

TDS 78-18

REVIEW: 02/2018

Standard: JIS Z 2801:2000

Epóxi Higiene Total

Component A: 3101

Component B: 3199



Polidura Epóxi Higiene Total uses specially selected raw materials, showing high abrasion resistance and excellent washability, it was especially designed for use in the hospitality industry. It is a water-based product, eco-friendly and has low odor. Formulated with biocides, algicides and broad-spectrum fungicides additives, it provides excellent bactericidal properties across the major strains of the most common bacteria such as *Candida albicans*, *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Escherichia coli*, etc. The product is non-toxic, completely harmless to human health and complies with International Standard JIS Z 2801: 2000.

TYPE

Two pack water based Epoxy coating.

USAGE

Polidura Epóxi Hospitalar is indicated for sectors where it requires a high abrasion resistance, high washability, sanitary product. Recommended for sterilization areas, operating theaters. It may also be used in plants where foods are handled and residences for greater protection against microorganisms.

TECHNICAL INFORMATION

COLOR	White	Other colors, please consult.
FINISH	Semi Glossy	
WEIGHT PER LITER	1,40 ± 0,05 g/ml (White)	According to ASTM D 1475
THEORETICAL SPREADING RATE	25-35 m ² /coat/gallon 3,6 L (White)	
COATS	2 to 3 coats	
MIX RATIO		Weight Volume
	Comp. A	100,0 1,0
	Comp. B	75,0 1,0
POT LIFE (25°C)	2h	
DRYING TIME AT 25°C	Touch	40 min
	Recoat	2 h
	Final	24 h
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 10 to 40°C
	Relative Humidity	Between 30 to 85%
	Dew Point	Surface temperature is at least 3°C above dew point
	Thinner	Water
APPLICATION	Brush	If necessary, dilute up to 10% with water. Method only recommended for touch-ups.
	Roller	Use a short wool roller. Dilute with 10-20% water according to the application conditions. If used as sealant, dilute the 1st coat with 20-30% water and the other coats with minimum dilution (5-10%).
	Conventional Spray Gun	Dilute with 15-25% water. Conventional DeVilbiss JGA 503 FX 704 spray gun or similar are indicated. Spray pressure between 3,0 to 4,0 kgf/cm ² (40 to 60 psi). Tank pressure between 0,75 to 1,0 kgf/cm ² (10 to 15 psi).



SURFACE PREPARATION

Masonry and concrete	Wait at least 30 days of curing and use the recommended dilutions for each application method. For the new concrete apply a first layer diluted 20%-30% of the same product as a sealing coat or apply a coat of sealer acrylic water based (approved by ABRAFATI). After that, apply 1-2 layers as finishing with minimal dilution (5-10%).
Aged, weaked or calcinated surfaces and surfaces with loose parts	Loose or badly adhered parts should be eliminated by scraping or sanding the surface. Then, a Wall Preparing Primer must be applied.
Wall tile	Check the surface integrity (free from spalling and loose parts) before application. The product can be applied directly on the surface, since the dust and/or loose parts have been removed. For sites impregnated with grease and dirt is recommended a surface cleaning with a cloth dampened with household alcohol before applying the product. Then, wait till the complete surface drying before start application.
Carbon steel	Apply previously a primer or sealer. The surface should be clean, without the presence of dust or loose parts. After cleaning the area, apply Epóxi Higiene Total normally, respecting the recommended dilutions described in this TDS.
Surfaces with mold or fungi	Wash the entire surface to be coated with a mixture (1:1) of water and sodium hypochlorite solution, let it over the surface by 3 hours. After the surface dries, Polidura PU Exterior can be applied naturally.
Coated Surfaces	Check the film integrity (free of spalling and loose parts), clean and proceed light sanding (# 320) to break the gloss. Remove the dust with a cloth moistened with water. After drying the surface, the product can be applied.

SHELF LIFE

18 months from the manufacturing date.



IMPORTANT RECOMMENDATIONS

1. The practical spreading rate of the product varies according to the applied thickness, application method and techniques, type and rugosity of the surface and ambient conditions.
2. The weight/l, viscosity and drying values were obtained in laboratory at a temperature of 25°C with a white color sample. At an altered temperature, the results might be different from the specified ones.
3. Mix the product inside the container before application. The product must be applied in an uniform way, avoiding isolated retouch after the coat is dried.
4. Do not use the product after the stated pot life (2 hours) because the brightness is reduced.
5. The product has low adherence on porcelain and ceramic flooring. Suitable for conventional tiles.
6. The coated surface can be washed only 7 days after the coating process. Clear all the required region using water, conventional cleaning and conventional disinfecting agents (chlorinated solutions).
7. Do not use organic solvents to clean the coated surface. The product is also sensitive for cleaning with alkaline degreasers.
8. Do not use abrasive materials for removing dirt because this may damage the integrity of the formed film.
9. This product has all its characteristics ensured until the shelf life date when properly stored, manipulated and applied over a treated surface according to this TDS recommendations.

SAFETY PRECAUTIONS

1. Improper use and handling of this product can be hazardous to health. Do not use it without first taking all appropriate measures to prevent property damage and injuries.
2. Storage: keep the product in sheltered, well-ventilated areas, away from the reach of children and animals. Keep it away from flames, sparks, drinks and food.
3. Flammable: not flammable product.
4. Inhalation: Avoid breathing vapors, keeping proper ventilation during application and drying.
5. Handling: wear proper protective clothing and masks, goggles, etc. Do not eat or drink nor allow children and animals to be near the application area. After the application, clean your hands with water and soap.

HEALTH HAZARDS

1. Skin contact: wash affected area thoroughly with neutral soap.
2. Leakage: Isolate the area, and stop leakage with sand, sawdust or soil, and transfer liquid and solid to separated recipients for disposal.
3. Fire: protect non-affected recipients with water spray. Extinguish fire using water, carbon dioxide, foam or dry chemical.
4. Eyes contact: flush eyes with large amounts of clean water for at least 10 minutes, and get medical attention immediately.

IMPORTANT: For further information consult the product MSDS (Material Safety Data Sheet).
