

Litabond

Description

This is a two component polyamide cured vinyl epoxy based coating. Specially designed as a tie coat between epoxy primers and antifouling systems. Can be used as tie coat / holding primer for a wide range of topcoats. To be used as tie coat in atmospheric and immersed environments. Suitable on approved primers on aluminium, carbon steel, galvanized and stainless steel substrates. It can be applied at sub zero surface temperatures.

Typical use

Suitable as tie coat for a wide range of Litum antifouling products.

Colors

Grey, red

Product data

Solids by volume	62±2%
Gloss level (GU 60°) (ISO 2813)	Semi-gloss (35-70)
Flash point (ISO 3679 Method 1)	27°C
Density	1.4 kg/l
Volatile organic compounds (VOC)	380 g/l

The provided data is typical for factory-produced products, subject to slight variation depending on color. All data is valid for mixed paint. Gloss description is subject to Litum definition.

Film thickness per coat

Typical recommended specification range

Dry film thickness	50-200 µm
Wet film thickness	80-325 µm
Theoretical spreading range	12.4-3.1 m ² /l

Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Surface preparation table

Coated surfaces

Minimum	Clean, dry and undamaged compatible coating.
Recommended	Clean, dry and undamaged compatible coating.

Application

Application methods

Spray:
Use airless spray.

Brush:
Recommended for stripe coating and small areas. Please be careful to achieve the specified dry film thickness.

Roller:

May be used for small areas but is not recommended for first primer coat. However, when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Mixing ratio

5:1 (by volume)

Thinner

Litum Thinner N°17

Induction and pot life

Induction	10 minutes (23°C)
Pot life	2 hours (23°C)

Airless application

Nozzle tips range (inch/1000):	19-25
Pressure nozzle outlet (minimum):	150 bar

Drying

Surface temperature	-5°C	0°C	5°C	10°C	23°C	40°C
Touch dry	24h	12h	8h	5h	2h	1,5h
Handle (hard) dry	44h	30h	24h	18h	10h	6h
Overcoat minimum	44h	30h	24h	18h	10h	6h
Service dry	4d	3d	2d	36h	20h	12h

Curing/drying time is increasing when coating applied at relative humidity (RH) below 85%, and at average of the DFT range for the product.

Touch dry: the state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Handle (hard) dry: minimum time before the coating can tolerate normal pressing without permanent marks or other physical damage.

Overcoat minimum: the recommended shortest time before the next coat application.

Service dry: minimum time before the coating can be constantly exposed to the intended environment.

High temperature resistance

Dry, atmospheric 90°C (continuous)
 Dry, atmospheric 110°C (peak)
 Immersed, sea water 40°C (continuous)
 Immersed, sea water 50°C (peak)

Duration of superior temperature limit is maximum 1 hour. The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures.

Note that the coating will be resistant to various immersion temperatures depending on the specific chemical and whether immersion is constant or intermittent. Heat resistance is influenced by the total coating system. If used as part of a system, ensure all coatings in the system have similar heat resistance.

Compatibility

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact Litum for specific system recommendation.

Previous coat: epoxy, epoxy mastic.

Next coat: silyl acrylate antifouling, silyl methacrylate antifouling, ion exchange antifouling, vinyl epoxy, epoxy, polyurethane

Packing size

	Volume (L)	Container (L)
Litabond comp. A	15	20
Litabond comp. B	3	3

The volume stated is for factory made colors.

Storage and shelf life at 23°C

Storage conditions are to keep the containers in a dry, cool, well-ventilated area and away from source of heat and ignition. Containers must be kept tightly closed. Handle with care.

Litabond comp. A	48 months
Litabond comp. B	48 months

The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Qualification, health and safety

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Litum's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Litum representative for approval before commencing the work. Please observe the precautionary notices displayed on the container. Use under well-ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should be immediately removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Color variation

When applicable, products primarily meant for use as primers may have slight color variations from batch to batch. Such products and epoxy-based products used as a finish coat may chalk when exposed to sunlight and weathering. Color and gloss retention on topcoats/finish coats may vary depending on type of color, exposure environment such as temperature, UV intensity etc., application quality and generic type of paint. Contact your local Litum office for further information.

Disclaimer

The information in this document is given to the best of Litum's knowledge, based on laboratory testing and practical experience. Litum's products are considered as semi-finished goods and as such, products are often used under conditions beyond Litum's control. Litum cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Litum reserves the right to change the given data without further notice. Users should always consult Litum for specific guidance on the general suitability of this product for their needs and specific application practices. In case of any inconsistencies between two languages of this document, the Russian version will prevail.