



**Merbenit**<sup>®</sup>

There is Merbenit in there.  
Your marine product.

Bonding and sealing  
for the marine industry

**merz+benteli ag**



## We are bonding with reliability

**We are a long-term and reliable partner for successful shipbuilders and suppliers. We are specialised in elastic sealants and adhesives, providing a wide range of consultancy services and high-quality certified products.**



«Both our team and customers on board continue to be impressed by the lasting quality and beautiful appearance of our ships. Merbenit sealants and adhesives play an important part in this.»

Jürg Lüthi, Head of Maintenance  
Lake Brienz dockyard, BLS AG

Merbenit sealants and adhesives are designed to provide unbeatable quality and efficiency. Merbenit is easy to work with and significantly reduces the time required for preparatory work and finishing.

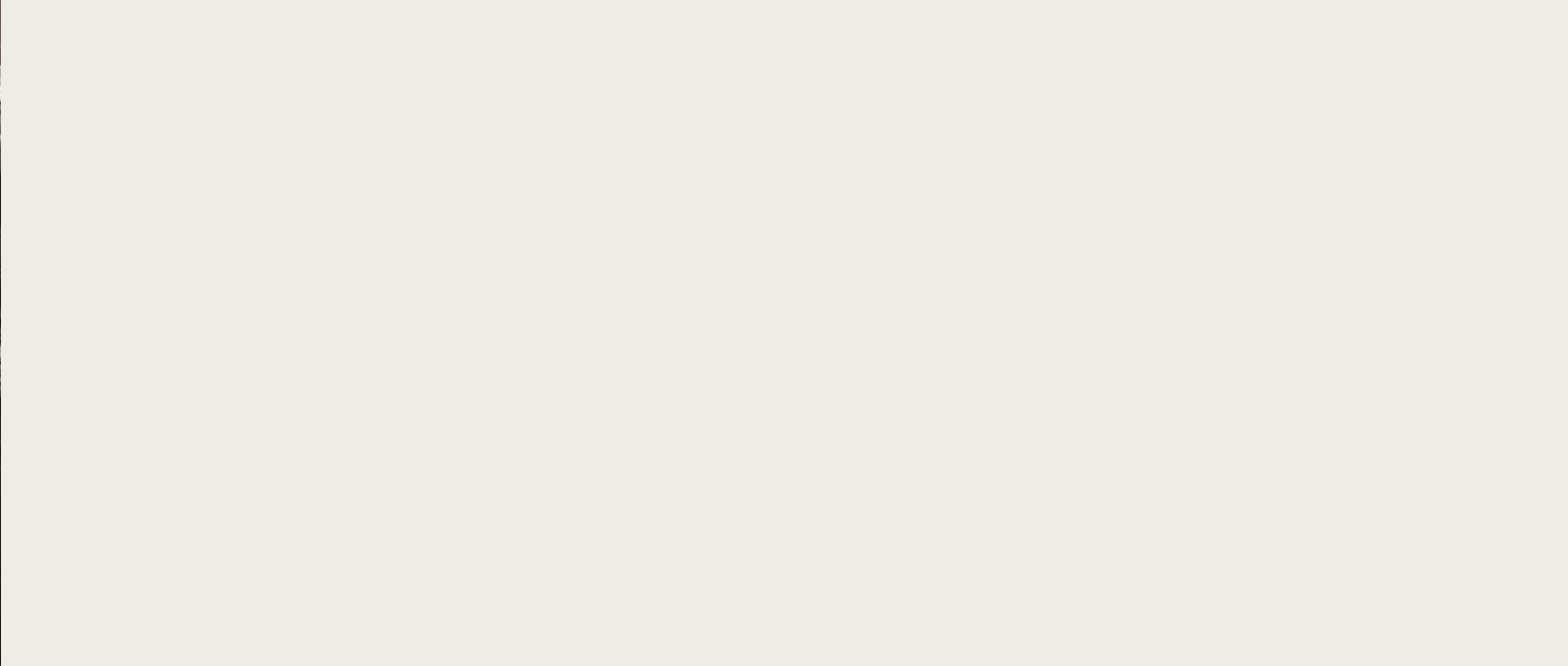
The Merbenit range includes one-component sealants and adhesives that cure to elastomers after application. Merbenit is available in a variety of standard packaging.

Merbenit is environmentally friendly and meets the high quality standards of the International Maritime Organization (IMO).

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## Teak deck caulking

**Merbenit DC25 is a joint sealant specifically designed for caulking timber decks on ships and yachts.**

The sealant is weatherproof, UV resistant and never loses its elasticity. Merbenit DC25 is also remarkably easy to apply and minimises reworking requirements.

**Applications**

Caulking of timber strips made from teak, Sipo, Iroko, pitch pine, Doussie and more.

**Characteristics**

- Efficient application
- Quick and easy grinding
- UV and weather resistant
- Long-lasting durability

Consistency
Tooling time at + 23 °C, 50 % rh
Shore A hardness, DIN 53505, Storage 21 days at + 23 °C and 50 % rh
Tensile strength DIN 53504 S2, Storage 7 days at + 23 °C and 50 % rh
Elongation at break DIN 53504

Merbenit DC25
pasty, not stable in vertical joints
max. 15 minutes
30
approx. 1.6 N/mm <sup>2</sup>
approx. 400 %

## Surface adhesive for ship decks

**Merbenit DB50 is a permanently elastic surface adhesive for bonding large areas on wooden or synthetic ship decks.**

Merbenit DB50 is a one-component adhesive, thus it is excellently workable. Thanks to its thixotropic properties, Merbenit DB50 helps strips and flooring to adhere immediately and precisely.

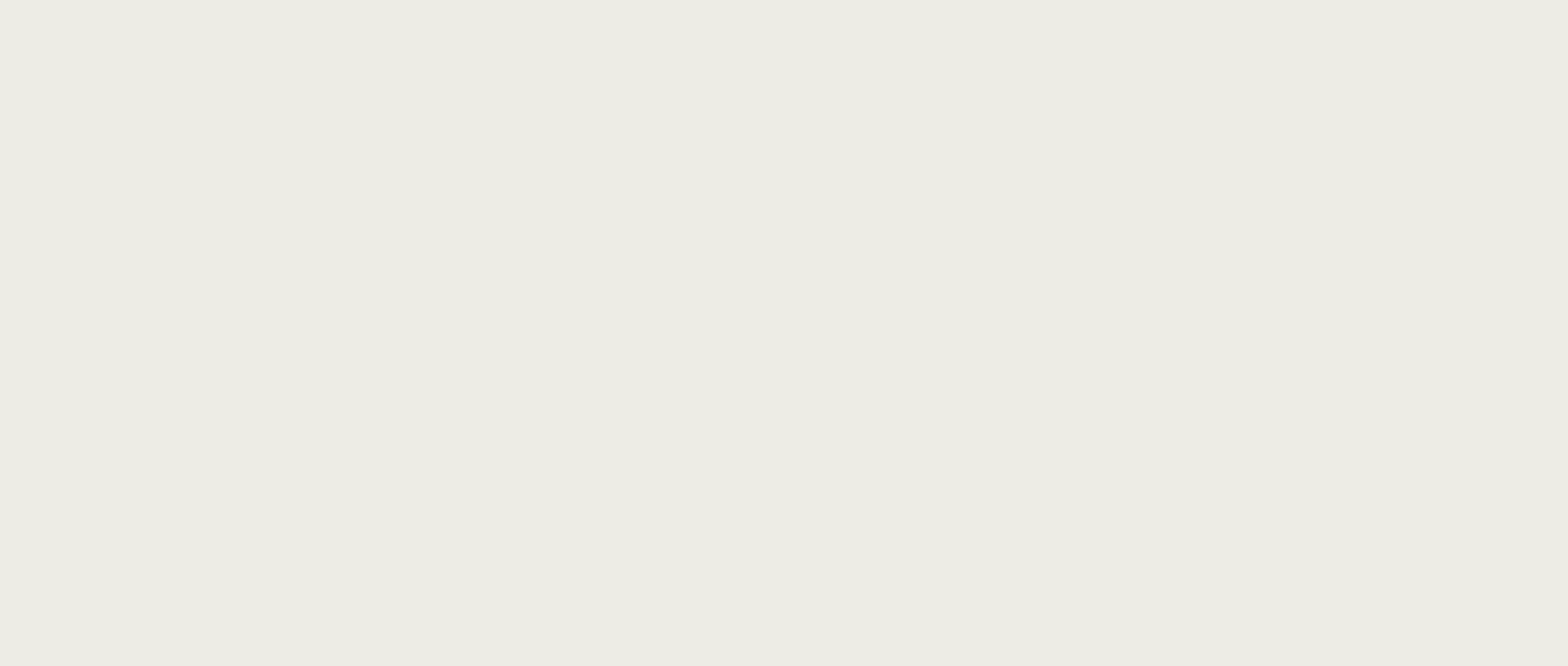
**Applications**

Bonding of wooden and synthetic flooring on ship structures made from glass-reinforced plastic (GRP), aluminium, steel or timber.

**Characteristics**

- Easy application with a notched trowel
- Minimal reworking and cleaning required
- Adheres to many different materials

Merbenit DB50
good ridge, efficiently trowelable
max. 60 minutes
38
approx. 1.6 N/mm <sup>2</sup>
approx. 200 %



## Sealant for windows and portholes

**Merbenit UV27 is a permanently elastic sealant that adheres to all common materials including self-cleaning glass.**

The sealant is suitable for glazing windows and portholes, as well as for joint sealing and flexible bonding. Merbenit UV27 is exceptionally resistant to UV, extreme weather and typical maritime conditions.

**Applications**

- Window and porthole glazing
- Joint sealing of various kinds
- Flexible bonding

**Characteristics**

- Exceptionally resistant to maritime conditions
- Excellent adhesion – adhesion promoter usually not required
- Highly elastic

Consistency
Tooling time at + 23 °C, 50 % rh
Shore A hardness, DIN 53505, Storage 21 days at + 23 °C and 50 % rh
Tensile strength DIN 53504 S2, Storage 7 days at + 23 °C and 50 % rh
Elongation at break DIN 53504

Merbenit UV27
≤ 3 mm
max. 15 minutes
20
approx. 1.3 N/mm <sup>2</sup>
approx. 500 %

## Sealant adhesive for fittings and more

**Merbenit MB55 is a high-quality adhesive that supports even the most dynamic loads.**

It is suited for use with flexible, heavily loaded joints. Merbenit MB55 also exhibits excellent sealing properties, making it the adhesive of choice for fittings, stringers, floor plates and more.

**Applications**

- Sealing and bonding of skirting boards, hatches, deck fittings
- Bonding of frames, stringers and floor plates

**Characteristics**

- High strength
- Adheres to all common materials
- Compatible with paint

Merbenit MB55
stable
max. 10 minutes
55
approx. 2.1 N/mm <sup>2</sup>
approx. 400 %



# Distribution partners

Antala S.L., [www.antala.es](http://www.antala.es), Distributor ES, PT  
Antala Ltd., [www.antala.co.uk](http://www.antala.co.uk), Distributor GB, IE  
ATF, [www.atf.ru](http://www.atf.ru), Distributor RU  
Chenso Inc., [www.chenso.com](http://www.chenso.com), Distributor USA, CAN, MEX  
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Reiss GmbH, [www.reiss-kraft.de](http://www.reiss-kraft.de), Distributor DE, AT  
Rotal Adhesives & Chemicals Ltd., [www.rotal.com](http://www.rotal.com), Distributor IL  
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