MERCOLA

Adhesives & Sealants

BONDFLEX 490DC DECKMASTER

Technical Data Sheet

Reviewed: 15.07.2025

DESCRIPTION

BONDFLEX 490DC DECKMASTER is a one component special synthetic elastomeric sealant based on high technology hybrid polymers, with excellent adhesion and outstanding resistance to sun and sea. It is suitable for waterproof sealing of boat deck joints and decorative wood floors (DECK) in shipbuilding and construction applications. It is 100% waterproof, unaffected by UV radiation and does not exhibit chalking. After polymerization, it can be sanded to form a smooth final surface.

ADVANTAGES

- Excellent application properties
- Does not contain solvents and isocyanates
- Very high adhesion strength on almost all surfaces
- Excellent resistance to aging
- Maintains its color unchanged, contains UV filter
- Excellent resistance to exposure to humid environments
- Excellent resistance to fresh and sea water
- Remains permanently elastic
- Resists temperature change from -40°C to +150°C
- Almost zero shrinkage
- Easily sandable after application

APPLICATIONS

100% waterproof sealing of wood joints on decks of boats, ships, yachts (decks) and on decking of homes and professional spaces such as swimming pools, restaurants, bars, etc.

INSTRUCTIONS FOR USE

1. Surfaces must be clean, free of dust and grease.
2. On exotic wood or wood with a high oil content, degreasing with acetone is recommended.
3. Use **PRIMER PU 900** only on porous surfaces.
4. On smooth non-absorbent surfaces, no primer is required.
5. Apply **BONDFLEX 490DC DECKMASTER** with a professional 600ml caulking gun for excellent results.
6. The final surface is shaped with soapy water before drying.
7. Sand 48 hours after application.

A suitability test is recommended.
It cannot be painted or varnished.
It can be maintained with specialized TEAK Oil – DECK Oil.

JOINT SIZE

Minimum width: 5mm
Minimum Depth: 5mm

CLEANING

Clean all equipment with white spirit immediately after use.

TECHNICAL CHARACTERISTICS

Base: Synthetic elastomeric Hybrid silicone
Color: Black, grey, other upon request
Consistency: Paste 1 component
Curing System: Moisture Cure
Skin formation (20°C/ 65% R.H.): 20min
Curing Rate (20°C/ 65% R.H.): 3mm/24h
Hardness (DIN 53505): 40 ± 5 Shore A
Temperature Resistance: -40°C to +150°C
Elastic Recovery: >95%
Elongation at Break (DIN 53504): 300%
Maximum Tension (DIN 53504): >2,00 N/mm^2
Tear propagation resistance: >5N/mm^2
Application temperature: +5°C - +40°C

STORAGE

In a cool and dry place at temperatures between +5°C - +25^{0}C.

SHELF LIFE

18 months in unopened packaging in the above mentioned storage conditions.

PACKAGING

Sausages 600ml

PACKAGING	CODE	BARCODE
600ml gray	4052	5204094040521
600ml black	04050	5204094040507

HEALTH AND SAFETY INFORMATION

PROFESSIONAL USE ONLY.
Consult recent Safety Data Sheet before application.

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.

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