

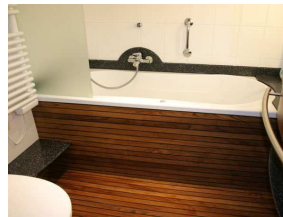
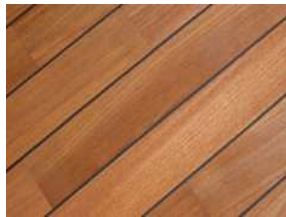
resoltech
ADVANCED COMPOSITE TECHNOLOGY

Deck Caulking 2090

Hardener 2096 (**new hardener**)

Epoxy System for Wood/Deck Caulking

- 1 to 1 mixing ratio by weight or volume
- No contraction, superior adhesion, high chemical resistance
- Application without primer
- Next day sandable
- **New higher elongation hardener**



RESOLTECH 2090 is a casting epoxy system that hardens at ambient temperature and enables the production of superior wood deck highly flexible caulking due to its high adhesion and mechanical resistance.

Resoltech 2090: Liquid casting compound for fast application on flat teak decks.

Resoltech 2090T: Thixotropic caulking compound for vertical applications.

The system has an excellent chemical resistance to UV exposure, detergents, solvents, petrol based products, acids or bases. It will not deteriorate with the use of deck cleaning products, this will prevent the staining of shoes or cleaning cloths.

Formulated for exterior or interior applications, the main features of this system are its superior adhesion to concrete and wood and unlike polyurethane based products it does not need the prior use of primers and has little sensitivity to application in a humid environment. And may be applied on all substrates (wood, composite, concrete, aluminium, steel..etc. The product will be hard and sandable in only a few hours after application but will remain highly flexible for many years, avoiding the development of cracks between the planks.

Its viscosity facilitates the casting of the resin in any width or depth and will fill the smallest crack leaving very little air in the caulk. As there will be no contraction whatsoever, there is no need to overflow the product high above the level and on the sides of the area being caulked.

The caulking once set is able to receive the same finishing treatments as any standard deck caulking (varnish, teak oils...etc).

Standard colour of Resoltech 2090 is black but may be ordered in neutral colour with all RAL colour pigments (separate). The standard black version is the most recommended one for outside applications. Resoltech recommends the use of the epoxy adhesive Resoltech 3500 for wood decks (40% elongation)

Deck Caulking 2090

Hardener 2096

Epoxy system for wood deck caulking that offers superior adhesion to the wood and stays flexible.

MIXING RATIO

Mixing ration by weight and volume

	Resin 2090	Hardener 2096
By weight	100 pp	100 pp
By volume	1 Vol.	1 Vol.



PHYSICAL CHARACTERISTICS@ 23°C

Visual aspect

Resin : 2090	Thick black (or neutral colour) liquid
Resin: 2090T	Thick black (or neutral colour) paste
Hardener: 2096	Thick neutral colour liquid

Density

Resin : 2090 (T):	1,26
Hardener: 2096:	1,26
Mix:	1,26

REACTIVITY

Pot life

Por life on 100g @ 25°C :	60 min
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Curing

Curing start @ 25°C :	4h
Full cure @ 25°C :	24 h
Full cure @ 10°C :	48 h

Deck Caulking 2090

Hardener 2096

Epoxy system for wood deck caulking that offers superior adhesion to the wood and stays highly flexible.

MECHANICAL CHARACTERISTICS

HARDNESS

ASTM D2240

80 Shore A

TRACTION

Resistance until failure ASTM D638M-96 :

20% ± 5 % after 24h

CHEMICAL CHARACTERISTICS

Resistance to chemical agents:

- Mineral, vegetable, animal, organic oils
- Detergents, cleaning products
- Alcohols (benzyl, ethylic, isopropyl, butylic, methyl, furfural...)
- Solvents (acetone, methylethylcetone, xylen, trichloroethylene)
- Petrol based products (Auto gas, Avgas, gas oil, kerosene)
- Saline and alkaline solutions
- Diluted acids

Deck Caulking 2090

Hardener 2096

Epoxy system for wood deck caulking that offers superior adhesion to the wood and stays Highly flexible.

APPLICATION

Mixing

- Please respect the mixing ratio
- Do not use under a temperature of 5°C
- Surfaces must be dry, with no trace of oils or dust
- The hardener needs to be homogenized before incorporation to the mix
- Mix thoroughly the resin + hardener with a mechanical stirrer on a drill for 5 minutes.

Application

- Pour the mix in the groove until floor level is obtained. Unlike PU caulks, there is no need to overfill the groove as there will be no contraction with the epoxy caulk, therefore reducing the amount of caulk needed. Direct casting, or applications with spatulas or icing/piping bags are recommended.
- If air has been included during the mixing of the resin + hardener, air bubbles may be entrapped within the caulk and appear if sanding the product in depth. To avoid air entrapment, check for any lack of product just after pouring the mix (air bubbles having released) and refill the groove.
- Alternatively, once the 2090 applied, smooth the surface of the caulking with a flat spatula. This will help to release any air bubbles and reduce the thickness to be sanded.
- Do not step on the caulk within 24 hours.
- Sanding is possible 24h after the application
- A tixotropic version of the 2090 is available for vertical surface caulking

Quantities to apply

- The average consumption when used as adhesive is 1 to 1.5 kg/m². This consumption may vary according to the surface.
- The average consumption when used as caulking may be calculated as per the table hereunder, quantities for 10 linear meters of caulking

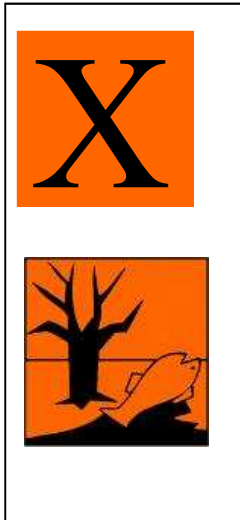
Wood strip width	groove width	groove depth	Consumption in kg / 10 m
35 mm or 1 3/8 in	4 mm or 5/32 in	4 à 5 mm or 3/16 à 1/4 in	0,200 to 0,250
45 mm or 1 3/4 in	4 à 5 mm or 5/32 à 3/16 in	6 mm or 1/4 in	0,350 to 0,450
50 mm or 2 in	5 à 6 mm or 3/16 à 1/4 in	6 mm or 1/4 in	0,400 to 0,500
75 mm or 3 in	8 mm or 5/16 in	7 mm or 9/32 in	0.800
100 mm or 4 in	10 mm or 13/32 in	8 mm or 5/16 in	1.125
125 mm or 5 in	12 mm or 2/3 in	10 mm or 13/32 in	1.650

Deck Caulking 2090

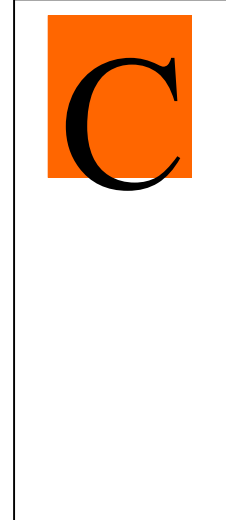
Hardener 2095

Labelling

2090



2096



Non dangerous for transport according to UN, IMO, IATA/
OACI

PACKAGING

- 250 ml: bi-component
- 310 ml cartridge (thixotropic version)
- 1 kg Kit : 1 metal can 0,5 kg + 1 metal can 0,5 kg
- 3 kg Kit : 1 metal can 1,5 kg + 1 metal can 1,5 kg
- 50 kg Kit : 1 metal can 25 kg + 1 metal can 25 kg

Note: The 1 kg. and 3 kg. kits are delivered in 1,5 L+0,5L and 3L+3L to enable the user to pour the hardener into the resin and mix directly in the resin can. This enables the user to pour straight from the can after deforming the can top with a pouring lip.

TRANSPORT AND STORAGE

Shelf life is one year in sealed containers as provided. Keep containers sealed and away from heat and cold preferably between 10°C and 30°C in a well ventilated area.

Health and Safety

Although all Resoltech formulations are modern and the hardener of this system not UN classified for transport, it is advised to follow basic rules such as avoiding skin contact, wear masks when producing dust. Please read our standard health and safety sheet for more information.

In case of eye contamination, wash with water and seek medical advice.

Note: The data provided in this document is the result of tests and is believed to be accurate. We do not accept any responsibility over the mishandling of these products and our liability is limited strictly to the value of the products we manufacture and supply.



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