

 **DESCRIPTION**

Maxistik® 510 is a two-component, solvent-free, moisture-insensitive, flexible epoxy joint sealant, for non-movement control and construction joints on industrial floors.

USES

- Non-movement, construction and control joints on floors, free of hydrostatic pressure.
- As flexible adhesive on many construction materials.

FEATURES

- Controls deterioration of control-joint edges on floors subject to wheel loads.
- Low-modulus of elasticity that produces high flexibility and does not age-harden.
- Excellent adhesion to most construction materials, whether they are wet or dry.
- Fast setting; provides fast cures within 24 hours.
- Easy mix ratio of 1A to 1B for the two components by volume.

PACKAGING

Packaging
7,6 litre unit (1 gal A + 1 gal B)
18,9 litre unit (2,5 gal A + 2,5 gal B)
37,8 litre unit (5 gal A + 5 gal B)
Gray

 **COVERAGE**

Joint depth	Linear meters per 7,6 L unit	
	Joint width	
	3 mm	6 mm
30 mm	84	42
50 mm	50	25

Coverage is approximate and varies according to the dimensions of the joint. These values are offered only as a guide. For other coverage estimations, use the following formula, that will give you the approximate coverage in linear meters per 7,6 litre unit:

$$\text{Length of the joint} = 7600 / (\text{width} \times \text{depth})$$

The width and the depth of the joint must be in mm.

 **INSTALLATION****SURFACE PREPARATION**

Surface must be clean, sound and free of dirt, dust, oil, grease, wax, paint, efflorescence, curing compounds or any contaminant. It may be damp, but free of standing water.

MIXING

Pre-mix each component separately; place in a clean container 1 part by volume of resin A with 1 part of hardener B. Stir and blend thoroughly for 2 to 3 minutes to make sure both components are blended and mated. The appearance of bubbles in the mixture is a sign that it is being mixed well. Only prepare the amount of epoxy that can be used in the next 30 to 40 minutes at 24 °C. Do not thin. Solvents will prevent proper cure. Incomplete mixing may result in soft or sticky spots.

It is recommended that you use two mixing containers. Mix thoroughly in one container. After you feel it is thoroughly mixed, scrape all the material from one container to the second one and thoroughly mix for an additional 1 to 1½ minutes. With this double mixing, any material that might not have been thoroughly mixed from the sides or the bottom of the first container will be easily placed in the second container and thus will receive thorough mixing at that time.

APPLICATION

Apply Maxistik® 510 with a gun or pour it directly from the container into the joint. It is important to avoid overlapping, as this may cause bubbling within the material. After application, carefully scrape and clean up the adjoining concrete surfaces.

CLEAN-UP

Clean all tools with thinner after use.



TECHNICAL DATA

Information

Resin A color	white
Hardener B color	black
Mix color	gray
Mix ratio	1A:1B per volume
Viscosity, ASTM D 2393	200 – 400 poises
Pot life at 24 °C	30 – 40 minutes
Tack free time, substrate at 24 °C	3 – 5 hours
VOC	0,0 g/L
Bond strength, plastic concrete to hardened concrete or steel, ASTM C 882, 14 days	3,1 MPa
Shear strength, ASTM D 732	5,9 MPa
Tensile properties, ASTM D 638, 14 days:	
Modulus of elasticity	83,4 MPa
Tensile strength	3,5 MPa
Elongation at break	100%
Tensile stress, ASTM D638, 14 days	
10% elongation	0,4 MPa
25% elongation	1,7 MPa
50% elongation	3,1 MPa
Shore A hardness, ASTM D 2240, 14 days	70 – 100
Application temperature range	+5 °C a +40 °C
Work temperature range - wet*	De -15 °C a +60 °C
Work temperature range - dry*	De -15 °C a +80 °C

*The lower the temperature, the more rigid and brittle this product becomes. It loses its elongation capacity.



ENVIRONMENTAL CONTRIBUTION

Information of the contribution to the environment

Diversion from landfills	INTACO packaging materials are made of paper and/or plastic that may be diverted from landfills.
Low emitting materials	VOC content is 0,0 g/L (minus water). Complies with VOC levels of South Coast Air Quality Management District. Tests under ASTM D6886-03 method.



RECOMMENDATIONS

Before using this product on new concrete slabs, wait 28 days after placement. Test for moisture vapor transmission prior to application. Maxistik® 510 is designed for use on non-moving joints only. Do not use closed cell backer rod in the bottom of the joints since it may defeat the purpose of full load transfer from one slab edge to the other.



LIMITATIONS

Maxistik® 510 is not designed for use in expansion joints. It is a self-leveling material designed for horizontal applications only. Moisture passing through the substrate by pressure during application and curing of epoxy can cause bond failure. Not for joints under negative or positive hydrostatic pressure. It is not designed for use under constant immersion. Do not apply on surfaces with standing water.



SHELF LIFE

Storage time is 24 months in its original closed package. Keep in a cool, dry place.



PRECAUTIONS

Wear adequate protection. Do not take internally. May burn or irritate the eyes or skin.

First aid: In case of contact, flush eyes or skin thoroughly for 15 minutes with clean water and get prompt medical attention. In case of ingestion, drink one or two glasses of water to dilute and get immediate medical attention.



WARRANTY

INTACO warrants that this product is free of defects and will perform in the way described in the technical sheet, only if the product is used strictly according to applicable specifications and instructions provided by INTACO for its use. INTACO will replace or, at INTACO's option, refund the purchase price of any product proven to be defective due to quality of ingredients or to the manufacturing process. INTACO does not take responsibility for indirect, consequential, incidental or special damages. Coverage and dosage data are susceptible to variations due to particular conditions in each job site; it is the user's responsibility to test and verify them at the site. This product data sheet may be changed without INTACO's notification.

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