



ADIPOX PLUS

Epoxy adhesive specially indicated for the union of new concrete to old one

Epoxy based adhesive for bonding new concrete to old

Good adhesion

Total impermeability

Good mechanical resistances

Excellent chemical resistance



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ISO 9001 Certified Company.

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Use:

Bonding of new concrete to old concrete. It's very remarkable its long working time (tacking). New concrete has to be applied while ADIPOX PLUS is still fresh (with tacking).

Bonding of general construction materials like steal, ceramics, bricks, ...

It can be used as a protective coating in gutters and tanks.

For the preparation of epoxy mortars in a ratio of 1: 1 to 1: 3 (resin: siliceous sand).

Description:

Epoxy adhesive of excellent adhesion that comes in two components: Base and Reactor.

Once cured it has a very good chemical resistance and total impermeability.

Applicable on damp surfaces.

Once mixed there is a time limit for its use that decreases with temperature.

Very good workability.

Application:

Stir the individual components of ADIPOX PLUS before mixing.

To prepare the mixture, pour the contents of the reactor container into that of the base, the larger one, and thoroughly mix the two components with a mixer at low speed for a minimum of 3 minutes until a uniform colour is reached. Part of the mixture can be reintroduced into the hardener container to gather up residues remaining in the container. The mixture which has been reintroduced into the hardener container can be returned to the mixing container and stirred for a further 30 seconds. This mixing process ensures the product's consistency and that any residual resin remaining in the containers reacts, facilitating subsequent management of residues.

After mixing the two components, 1kg of ADIPOX PLUS remains workable for 60 minutes at a temperature between 18°C and 20°C.

In case of making smaller mixtures, the Base and the Reactor will be mixed according to the proportions in volume: Base: Reactor = 3,3: 1.

The support must be clean and solid.

Once well-blended, apply thinly using a brush or roller on the clean and solid substrate, ensuring that the substrate is well impregnated.

Before applying fresh mortar over ADIPOX PLUS, wait until it acquires a slight stickiness, at least 30 minutes. Do not wait longer than 3 hours at 20 °C - APPLY BEFORE stickiness is lost.

Limitations:

ADIPOX PLUS cannot be applied at temperatures below +10°C (and always at least 3°C above the dew point) or above +30°C or when the ambient humidity exceeds 85%.

If the pot-life is exceeded, the mixed product loses its characteristics and must be discarded.

All ARDEX products are manufactured under strict quality controls and procedures, however, when colour consistency is essential, it is recommended that the products used are from the same batch.

Tool cleaning:

ADIPOX PLUS can be cleaned from tools and equipment immediately after use using a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

Residues/spillages:

Any spillage from any product must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment.

Residues from spillage and empty containers must be dealt with in accordance with local regulations.

See product safety sheet for further information.

Precautions:

Causes irritation to eyes and skin, depending on sensitivity. Hazardous to health if swallowed.

May cause burns in case of prolonged exposure. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.

Safety goggles and gloves must be worn at all times while the product is being mixed and when applying the product.

If applying indoors, ensure that the site is well ventilated. Once dry, the product is physiologically and ecologically neutral. For more information see product safety sheet.

Technical data

(according to ARDEX quality standards)

Colour:	Component A: cream Component B: amber
Mixing ratio:	3,3:1 in volume
Density:	Approx. 1,6 kg/litre
Consumption:	0,5 - 1,0 kg/m ² (depending on surface roughness)
Pot-life (+20°C):	Approx. 60 minutes
Adhesion open time:	Approx. 3 hours at +20°C
Dry to touch (+20°C):	Approx. 6 hours
Compressive strength:	Approx. 80 N/mm ²
Flexural strength:	Approx. 50 N/mm ²
Packaging:	Predosed kits of 1 or 5 kg
Storage:	Approx. 12 months in dry places and in its original closed container

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 0370	
ARDEX CEMENTO, S.A. Pol. Ind. Pla de Llerona, c/Holanda, 18 E-08520 Les Franqueses del Vallès - Barcelona España 09	
50401 EN 1504-4:2006 ADIPOX PLUS Structural Adhesive EN 1504-4	
Union / Adhesion (tear resistance):	<i>Passed</i>
Shear Strength:	$\geq 11 \text{ N/mm}^2$
Compressive resistance:	$\geq 60 \text{ N/mm}^2$
Retraction / Expansion:	$< 0,1 \%$
Workability:	<i>Approx. 60 min</i>
Water sensitivity:	<i>Passed.</i>
Elastic module:	$\geq 2000 \text{ N/mm}^2$
Thermal expansion coefficient:	$\leq 100 \text{ mm/m } ^\circ\text{C}$
Vitreous transition temperature:	$\geq 40^\circ\text{C}$
Reaction to fire:	<i>Class F</i>
Durability:	<i>Passed</i>
Hazardous substances:	<i>Meets 5.3 of EN 1504-4</i>

 0370	
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50401-2 EN 1504-4:2006 ADIPOX PLUS Epoxy barrier for protection of reinforcement EN 1504-7	
Corrosion protection and workability:	<i>Passed</i>
Durability:	<i>Passed</i>
Glass transition temperature:	<i>10 K above maximum service temperature</i>
Sustancias Peligrosas:	<i>Meets 5.3 of EN 1504-7</i>

We assume the warranty for the perfect quality of our products. Our handling recommendations are based on trials and practical experience; they can, however, only be regarded as general advice without a quality warranty, as we have not influence on work site conditions and the execution of the work.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations.

Ardex is not responsible for the content of technical files collected on websites other than the official Ardex website (www.ardex.es).

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