

Seire

ARDIFLEX

Polyurethane sealant

Single component

Rapid polymerisation

Excellent adhesion without primer

Excellent resistance to weathering

Low modulus

High elasticity even at low temperatures

Vertical and horizontal application

Grey colour

Can be overpainted



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Product description:

ARDIFLEX is a single-component polyurethane used to seal horizontal and vertical joints. Polymerization takes place through ambient humidity. The hardened product is a mastic with permanent flexibility and elasticity.

A primer is not necessary on most substrates, such as concrete, natural stone, fibre cement, wood, glass, iron, artificial stone, aluminium, zinc, vitrified surfaces, woodwork ...

After hardening, ARDIFLEX is resistant to the passage of water, chemicals, frost and weathering and is resistant to household chemicals, oils and diluted acids and alkalis.

Available in 600ml sausages.

Applications:

Sealing of expansion and static joints in:

- heavy and light precast elements
- industrial flooring
- walls and ceilings

Sealing of cracks

Vertical and flat application

Indoors and outdoors

Joint substrate Preparation:

The joint cross-section must be appropriate to the joint factor indicated in the specifications.

The interior of the joint should be dry and free of dust, grease or any material that impairs adhesion.

Place a polyethylene backer rod along the bottom of the joint, wider than the width of the joint, to fill the interior of the joint. The minimum depth is 10 mm, and the maximum width is 35mm.

Limitations:

Do not use ARDIFLEX where ambient and/or substrate temperatures are less than 5°C or less than 3°C above the dew point.

Do not use where ambient and/or substrate temperatures exceed 40°C or where ambient humidity exceeds 85%.

The curing time varies depending on ambient and substrate temperature/humidity.

Curing time depends on temperature and %rh.

To avoid staining of the substrate a previous test is recommended.

Not valid for permanent immersion, PE, PP, Teflon, PVC, and Bitumen substrates.

Upon weathering there might be a slight colour change affecting only aesthetics but not performance.

Method of application:

Before applying the mastic, protect the joint edges with adhesive tape to ensure that the mastic does not stain the surface.

Make a 45° cut in the nozzle with a diameter equal to the width of the joint. Use a manual or pneumatic gun. Once applied, smooth ARDIFLEX with a spatula, dampening it with soapy water so that doesn't stick to the tools and remove adhesive tapes afterwards.

Consumption:

Approximate consumption of ARDIFLEX is 0.130 kg per linear metre of joint with a 1x1 cm section.

Cleaning of tools and equipment:

ARDIFLEX can be cleaned immediately after use with a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

Residues/spillages:

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

See product safety sheet for further information.


Storage:

ARDIFLEX can be stored for up to 12 months in its original unopened packaging. The product should be stored in a dry place between 5°C and 30°C. Keep away from icy conditions, direct sunlight and heat sources.

Technical data

(based on tests conducted in our laboratory according to current regulations)

Density:	Approx. 1.3 kg/litre
Yield:	6m of 1x1cm joint per 600ml sausage
Application temperature limit:	5°C to 40°C
Skin forming time (23°C, 50%rh):	Approx. 75 min
Curing speed (23°C, 50%rh):	2.5 mm/day
Elongation at break:	>250%
Elastic modulus at 100% elongation:	0.2 MPa approx.
Elastic recovery:	> 70%
Shrinkage:	≤ 10%
Shore A:	Approx. 20
Adhesion:	1.3 MPa
Movement capacity:	25%
Operating temperature:	-20°C to 80°C.
Packaging:	Sausages of 600ml
Storage:	Aprox. 12 months in a dry place and in original unopened packaging.

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SEIRE PRODUCTS SL. C/ Los Muchos P.I. Albolleque Sector III 19160 Chiloeches- Guadalajara 14	
25837 EN 15651-1 EN 15651-4 ARDIFLEX Joint sealant for interior-exterior facade and flooring IF EXT-INT CC PW EXT-INT CC	
Fire behaviour:	Class E
Release of chemicals that are harmful to health and/or the environment:	Evaluated
Resistance to flow:	≤ 3 mm
Volume loss:	≤ 10%
Tear resistance:	Passed (NF)
Adhesion / Cohesion properties in Maintained Elongation:	Passed (NF)
Adhesion / cohesion properties under elongation maintained in water immersion:	Passed (NF)
Adhesion / cohesion properties under pretension in cold weather (-30°C):	Passed (NF)
Adhesion / cohesion properties in elongation maintained in salt water immersion:	Passed (NF)
Durability:	Passed

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