

# Seire

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## PROBIJUNT D1

**Self-levelling polyurethane-tar sealant**

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Two component material

Very good adhesion

High elasticity even at low temperatures

High chemical and mechanical resistance

Self-levelling

Easy on-site application

Excellent weather resistance

Certified according UNE 53.621-89 and BS 5212



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# PROBIJUNT D1

## Self-levelling polyurethane-tar sealant

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### Product description:

PROBIJUNT D1 is a pourable, cold applied, two-component polyurethane-tar sealant. Its two components constitute a flexible and elastic mastic, resistant to oils and fuels, for sealing horizontal joints.

Conforms with standards UNE 53.621-89, type R, class C (fast-curing and resistant to fuel), the specifications, Article 550 of concrete pavements for roads (joints between slabs) and BS 5212 *Cold applied joint sealant systems for concrete pavements*.

After curing, PROBIJUNT D1 is resistant to the passage of water, chemical agents, frost, and weathering.

### Field of application:

Sealing of horizontal joints in concrete slabs and bituminous materials, subject to vehicle traffic and subject to possible spillages including aggressive chemicals such as fuels, solvents, oils, etc.:

- Airports (runways, hangars ...)
- Motorways and dual carriageways
- Service stations
- Workshops and warehouses

### 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 and to ensure that the sealant is retained in the joint and does not seep past the backer. The minimal depth will be 10 mm and the maximal width 30 mm.

When the joint is edged by low-porosity concrete, adhesion can be enhanced by prior impregnation with PROBIJUNT D1 IMPRIMACIÓN (to facilitate the penetration it can be diluted with 10% Xylene). Allow to cure for approximately one hour before pouring PROBIJUNT D1.

### Mixture:

Stir component A of PROBIJUNT D1 before mixing.

Pour the contents of component B into the container of component A and mix the two components thoroughly with a stirrer at low revolutions for a minimum of 3 minutes.

Part of the mixture can be reintroduced into the hardener container to gather up residues remaining in the container. The mixture which has been introduced into the hardener container can then 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.

### It is not advisable to carry out partial mixtures by volume.

After the two components are mixed, 1kg of PROBIJUNT D1 remains workable for 30 minutes at a temperature between 18°C and 20°C.

If Pot-Life is exceeded the mixed product loses its characteristics and should be disposed of.

### Recommendations:

After mixing the two liquid components of PROBIJUNT D1, use immediately.

The curing time varies depending on ambient and surface temperature - higher temperatures shorten time of use and lower temperatures lengthen it.

For areas with high traffic, it is advised to seal small sections with narrow joints to minimize the effects of abrasion.

### Limitations:

Do not use PROBIJUNT D1 where ambient and/or substrate temperatures are less than 5°C or less than 3°C above dew point.

Do not use where ambient and/or substrate temperatures exceed 35°C or where ambient humidity exceeds 85%.

Joint dimensions (wide x deep):

Minimum 10 mm x 10 mm.

Maximum 30 mm x 15 mm.

### Method of application:

Before pouring the mastic, protect the joint edges with adhesive tape to avoid the mastic sticking to the pavement or staining it. Once PROBIJUNT D1 is poured and levelled, remove the tapes. Maximum allowable slope: 3%.

### Consumption:

Approximate consumption of PROBIJUNT D1 is 0.150 kg per linear metre of joint with 1cm x 1cm cross-section.

### Cleaning of tools and equipment:

PROBIJUNT D1 can be cleaned immediately after use with a solvent such as ARDEX RTC. If the product is allowed to cure, it will have to be removed mechanically.

### Residues/spillages:

Any spillage from any component 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.

### Storage:

PROBIJUNT D1 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 frost, direct sunlight and sources of heat.

### Precautions:

Causes irritation to eyes and skin, depending on sensitivity. Hazardous to health if swallowed and if penetrating into respiratory tracts.

May cause burns in case of prolonged exposure. Avoid contact with eyes and skin. In case of contact, 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 during application.

If applying indoors, ensure that the site is well ventilated.

Application restricted to professional use

See product safety sheet for further information.

# PROBIJUNT D1

## Self-levelling polyurethane-tar sealant

### Technical data

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

<b>Mixing ratio:</b>	As indicated on packaging
<b>Density:</b>	Approx. 1.5kg/l
<b>Consumption:</b>	Approx. 0.150kg per linear metre of joint with 1x1 cm section
<b>Workability time (20°C):</b>	Approx. 30 minutes
<b>Elongation at break:</b>	> 200%
<b>Movement capacity:</b>	20 %
<b>Shore A:</b>	Aprox. 35
<b>Packaging:</b>	Kit of 25kg
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened container

*Seire takes responsibility for the quality of its products. The application recommendations given are based on tests and practical experience.*

*We will not be held responsible for the product or its application in case of any dosage or application other than as described and recommended. For any questions about this product, please contact our Technical Department. This data sheet remains valid until a new edition is issued.*

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ARDEX GROUP