



## **DESCRIPTION**

**İNKA-DPU/sc** is a single component, air cured, fully elastic polyurethane joint sealant.

## <u>USES</u>

**İNKA- DPU/sc** is used in following applications;

- Sealing of expansion joints,
- In joints of prefabricated compound units,
- As an elastic adhesive in the jointing of light weight concrete building units,
- As an adhesive for roof tiles,
- Jointing of all structural elements like concrete, marble, stone, metal etc.
- Inside and outside jointing applications,
- In joints of civil and industrial buildings,
- Hydraulic works (sewage plants, canals, tanks),
- Airfield, car park, fuel station joints.

## **ADVANTAGES**

**iNKA-DPU/sc** when cured, provides a permanently elastic sealant with high chemical resistance. It has;

- high elasticity (elastoplastic),
- strong adhesion to many different common structural elements,
- ozone and U.V. resistance,
- excellent resistance to aging,
- chemical resistance to mineral oils, detergents, brake fluid, diluted acids, alkali solutions, kerosene (please see chemical resistance table),

It is also;

• odorless,

- paintable,
- suitable for contact with potable water,
- antibacterial and,

can be applied without a primer

## **TECHNICAL DATA**

- Color : Grey, white
- **Base Material** : Polyurethane
- Specific Gravity :~1.30 kg/l (at 20°C)
- **Polymerization** : 90 120 min

(at 23°C & 50% HR)

- Polymerization thickness after 24 hours: 2,5 mm (at 23°C & 50% HR)
- Application Temp : +5°C +40°C
  Service Temperature : -20°C +80°C
  Elasticity : %25
  Shore A Hardness : 25 (DIN 53 505)
  Elongation at brake : %250
  - (ISO 8339) : nil
  - Shrinkage : nil
  - **Expected service life** : 15 25 years
- Storage : 12 months from date of production if stored properly, between +5°C - +30°C in a dry, closed area.
- Packaging : 600 ml sausages
- Solvents : None

# **APPLICATION**

*Joint preparation:* Joints should be dry and free from dust, oil, paint, rust, curing materials, release agents or any other substances that may prevent adherence.

Circular back-up strips-joint filler may be used under the sealant to avoid excess usage.



<u>*Priming:*</u> **DPU/sc** can be applied without a primer but for wet surfaces, surfaces with high porosity and coated aluminium surfaces, application of a suitable primer is suggested for better adhesion. (150-300 gr. per m<sup>2</sup> depending on the porosity) The primer should be applied 1 - 2 hours prior to the sealant application, on dry joint walls.

The application is finished by pushing the sealant to the sides of the joint with the help of a spatula.

### **COVERAGE**

For joints sized 10 mm x 10 mm, **130 gr.** per meter.

### **ATTENTION**

- Joint depth should not be less than 6 mm and joint width should not be wider than 38 mm.
- For joints sized up to 10 mm, the joint width-depth ratio should be 1 : 1.
- For joints sized between 10 36 mm, the joint width-depth ratio should be 2 : 1.
- The application area should not be open to pedestrians before two days and to heavy traffic before 4 days.
- The application should not be made before the fully cured concrete reaches its 28 day strength. Joint surfaces should be dry.
- Min. dosage of the concrete should be 300 and the joints should be dry before application.
- Contact with skin and eyes may cause irritation. Wash with water if contact occurs and seek medical attention.

#### İNKA.3.03.TB.125 20/11/2007/02

Bu broşürdeki bilgiler elimizdeki en son verilere ve deneylere dayanmaktadır. Bununla beraber elde edilecek sonuçlar, kontrol imkanlarımız dışında kalan muhafaza şartları, uygulama şekil ve koşullarına bağlı olarak değişkenlik gösterebilir. Dolayısı ile garantimiz sevk edilen ürünün kalitesi ile sınırlıdır. İnka mamullerle ilgili yapılacak her türlü teknik değişiklik, kod ve ambalaj değişikliği hakkını saklı tutar.

<b>Resistance to</b>	High	Medium	Low
Chemicals			
White Spirit	X		
Hydrocarbon	X		
Orthophosphoric	X		
Acid 84%			
Hydrochloric Acid	X		
37% Formic	X		
Aldehyde Solution			
Gasoline	X		
Paraffin Oil	X		
Mineral Oil	X		
Ammonia	X		
Ethanol 20%	X		
Salt Water	X		
Bleach	X		
Fuel Oil	X		
Jet Fuel	X		
E spirit	X		
Hydrogen Peroxide	X		
33 vol			
Ethanol 100%		X	
Diamin Ethylen		X	
Ethyl 2 Hexanol		X	
2 Butoxyl Ethanol		X	
Trichlorethylen		X	
Sulphuric Acid		X	
Ethyl Acetate		X	
Acetic Acid		X	
10-25%			
Acetone		X	
Octanol			X
Toluene			X
Lactic Acid 50%			X
Nitric Acid 10%			X
10%-50% Caustic			X
Soda Solution			
Concentrated			X
Laundry Detergents			

The technical information on this data sheet is to the best of our present knowledge and long term experience of INKA's R&D Department. However, the results obtained may vary in accordance with the care taken and the method of application over which we have no influence. Our guarantee is therefore limited to the quality of the materials delivered.