

ACCOPLAST USB-2

Cold applied kerosene-resistant mastic
Complies with standard SS.S 200.E

USES

- Filling of expansion and contraction joints for:
- Concreted runways and roadways for airfields, roads and motorways.
 - Concrete industrial floors.
 - Concrete/concrete, metal/concrete and metal/metal binding.

DESCRIPTION

- Excellent adherence to bondcoat PRIMAIRE 2206 on concrete and to PRIMAIRE M on concrete and on metal
- Anti-kerosene
- In case of slope below 15%, ACCOPLAST USB-2 can be thickened

PROPERTIES

- | | |
|---|--|
| <ul style="list-style-type: none"> ➤ Product nature ➤ Mix ratio A/B by weight ➤ Colour ➤ Density at 23°C | Two-component polyurethane
100 / 70
Black or Cement Grey or Red
Component A 1,50 approximately
Component B 1,05 approximately
Mix A+B 1,25 approximately
20 - 40 |
| <ul style="list-style-type: none"> ➤ Cone penetration at 25°C, 1/10 m ➤ Viscosity (NF EN ISO 2555) | At 25°C:
Component A 11 150 mPa.s approx.
Component B 4 000 mPa.s approx.
At 40°C:
Component A 5 300 mPa.s approx.
Component B 1 400 mPa.s approx. |
| <ul style="list-style-type: none"> ➤ Elongation after 7 days | At 23°C 400%
At -20°C > 400% |
| <ul style="list-style-type: none"> ➤ Stress at 100% elongation | At 23°C 0,25-0,35 MPa
At -20°C 0,90-0,95 MPa |
| <ul style="list-style-type: none"> ➤ Modulus of elasticity ➤ Tg ➤ Successive stretching and compression at -29 ° C | 6,30 MPa
-44°C
No failure |
| <ul style="list-style-type: none"> ➤ Shore A hardness after 7 days at 23°C (NF EN ISO 868) | 20 approximately |
| <ul style="list-style-type: none"> ➤ Pot life | At 10°C 25 – 30 minutes
At 20°C 15 – 20 minutes
At 30°C 10 minutes |

REPORT

- Test Report No. P8810-E of February 17, 2015 according to SS-S-200E, KIWA GmbH Polymer Institute.

ISO 9001

DIRECTIONS FOR USE

Substrate and preparation

- The concrete substrate must be resistant, clean, dry and coherent, devoid of milt,
 - Direct tensile strength ≥ 1.5 MPa
 - Compressive strength ≥ 25 MPa
 - Water content $\leq 4.5\%$
- The support will be prepared by sandblasting before application of the primary.
- In repair, the old products must be completely removed and the joints must be rescinded to remove all traces of the previous seal. Never apply to materials containing light oils, plasticizers or antioxidants bitumen, pitch, asphalt, rubber, silicone, old putty, ... so as not to interfere with adhesion.
- Place a joint former (polyurethane foam or similar) in the bottom of the joint:
 - The nominal diameter of the joint former must be in the order of the 25 to 30% greater than the width of the joint.
 - The joint former will be sufficiently embedded in the reservation to enable to sink a joint whose dimensions are as follows: depth = 2 x width of the joint.

Conditions of application

- Minimum temperature (ambient and substrate): + 8°C and 3°C above the dew point.
- Maximum temperature (ambient and substrate): 35°C and 3°C above the dew point.
- Relative air humidity: 80% RH max.
- In case of rain or fog, the application is prohibited: in foggy weather, the air is saturated of humidity, the condensation is permanent on the support.
- Dew point: The most important is not to apply on the condensing support or having a film of water on the surface. Non-compliance with this condition always leads to poor adhesion of the applied resin and generate foaming. To make sure that a support is not condensing it is necessary to make sure that the temperature of the support (Ts) is higher than the dew point temperature (Td), by prudence it must be $T_s - T_d > 3^\circ\text{C}$.
- Temperature and hygrometry must be recorded with a thermohyrometer:
 - The morning before applying the resin
 - During the day when the weather is changing (cooling or humidity increasing)
 - The evening when the temperature is decreasing

Application

- **On concrete support**: apply PRIMAIRE 2206 according to its technical sheet, cover with ACCOPLAST USB-2 between 30 minutes and 4 hours maximum at 20 ° C. The ideal is to apply ACCOPLAST USB-2 on sticky primer. A new primer layer must be reapplied if the time is exceeded.
- **On concrete and on metal**: apply PRIMAIRE M according to its technical data sheet, recoat with ACCOPLAST USB-2 from 1H to 12H later at most at 20°C. The ideal is to apply ACCOPLAST USB-2 on sticky primer. A new primer layer must be reapplied if the time is exceeded.
Mix the 2 components of Primaire M with a mechanical stirring. Primaire M is applied at a rate of 30 to 50 g/mL.

Implementation of ACCOPLAST USB-2:

- If storing the product at a temperature lower than 15°C, reheat component A using a double boiler or a heat source before use.
- It is essential to have a powerful mixer; pour the component B into the component A and mix during 5 minutes; once mixed, transfer the entire mixture into a second container and mix again during 2 minutes more. Apply ACCOPLAST USB-2 using a pouring spout.
- When joints are narrow, apply ACCOPLAST USB-2 using a Kremlin, Graco pneumatic pump, or similar.

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- **Consumption:**
The size of the joint should be: width= depth / 2 or depth = 2 x width.
The consumption is calculated as follows: width (in cm) x depth of joint (in cm) x density (in g/cm³) x 100 = consumption of ACCOPLAST USB-2 (in g per linear meter)
Example: for a joint 1 cm wide and 2 cm deep, provide approximately 250g / linear meter.
- **WARNING:** The filling of the joint must be stopped 2 mm below the edge of the joint. It must never exceed so as not to be torn by the passage of vehicle or machine.

Curing time

	+ 10°C	+ 20°C	+ 30°C
Pedestrian traffic	18 hrs	8 hrs	6 hrs

The temperature of the substrate, humidity and layer thickness strongly modify the drying time.

Cleaning of equipment

- Before hardening with IR 2000.

PACKAGING

- 5 kg (Component A: 2.94 kg / Component B: 2.06 kg)
- 20 kg (Component A: 11.76 kg / Component B: 8.24 kg)

PRECAUTIONS FOR USE

- The relevant workplace hygiene regulations must be strictly adhered to when handling the product: wear gloves and goggles.
- Refer to Material Safety Data Sheets for further information.

STORAGE

- At a temperature between 10°C and 35°C, protected from all weather.
- For six months from the date of shipment of the product if stored in their original, unopened packaging.

CE	
EN 14188-2 ACCOPLAST USB-2 Cold applied sealant	
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System: two components (M) Type: self-levelling (sl) Class: class B Polymer base: polyurethane	
Bonding resistance	
- Tension modulus at -20° C (MPa) :	0.6
- Lack of adhesion/cohesion :	None
Cohesion	
- Tension modulus at -20° C (MPa) :	0,82
- Lack of adhesion/cohesion :	None
Deformation resistance	
- Elastic recovery (%) :	98
- Volume loss (%) :	+0.7
Maintenance of waterproofness against chemical products	
- Mass variation (%) :	-9.6
- Volume variation (%) :	-13.1
Maintenance of cohesion against chemical liquids	
- Lack of adhesion/cohesion :	None
Maintenance of all the mandated characteristics against aging	
- Variation of the tension modulus (%) :	-4
- Lack of adhesion/cohesion :	None

The information contained herein is indicative only, and is based on our knowledge and experience. We reserve the right to change the composition of our products at any time, in the light of the findings of the most recent research. The resulting physical and chemical data will then differ. Variations in quality, size and colour will occur under normal conditions and are acceptable. The information given in our data sheets concerning the use and the application of the product are general rules and cannot, by definition, take account of the specific circumstances of each site. Our guarantee being limited to the quality of the product supplied, INTERDESCO cannot under any circumstances be liable for the correct application of the product to the substrate, over which it has no control. Application must be undertaken by a qualified professional, who shall be required to take account of the data provided by the manufacturer, the professional recommendations issued by the Syndicat National des Formulateurs des Résines de Synthèse, any Unified Technical Documents (D.T.U.) as well as accepted good practice.

The coating applier shall perform in situ tests prior to applying the product.

Any claims relating to the manufacturer's obligation to comply with the specifications must be made after performing in situ testing and no later than one month after delivery.