

# ACCOPLAST BSP

Hot-applied mastic for filling joint in concrete slabs- Type N1



## USES

- Filling horizontal joints between cement concrete or composite pavements of concrete and bituminous coated material.
- Bridging cracks in bituminous coated materials.
- Filling cracks in bituminous coated materials.
- On roads, motorways and highway structures.
- Canal joints: for this typical application, use prior PRIMAIRE B as adhesion primer.

## DESCRIPTION

- ACCOPLAST BSP is a hot applied sealant material, type N1. (Type N1 according to EN 14188-1 is an elastic product with high elongation.)
- Good chemical resistance to salt water, de-icing salts and concentrated acids.
- Good adhesion on concrete prepared with Primaire B.

## PROPERTIES

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|---|--|
| ➤ Density at 25°C (NF EN 13880-1)                         | 1320 kg/m <sup>3</sup> approximately                                   |
| ➤ Elongation at 20°C                                      | > 500 %  |
| ➤ Elongation at -18°C                                     | > 50 %   |
| ➤ Ball and ring softening temperature, in °C (NF EN 1427) | ≥ 85°C   |
| ➤ Cone penetration at 25°C, in 0,1 mm (NF EN 13880-2)     | 40 – 130   |
| ➤ Flow Resistance   | ≤ 2mm  |
| ➤ Resilience before and after ageing (NF EN 13880-3 et 4) | ≥ 60 %   |
| ➤ Type of failure in tension, at over 500% elongation     | Failure of the jointing material without detaching from the substrate. |
| ➤ Crack movement at -18 °C                                | No failure after 40 cycles.  |

## ADVANTAGES

- Elongation higher than 500%.
- Absence of creep at high temperature, up to +60°C.
- Excellent performance at low temperature (- 30°C).
- Watertight.
- **Accoplast BSP is packed in bag without PE film which allow :**
  - **Garanteed rapid opening bags**
  - **Avoid the formation of crusts on the inner wall of the melter tank that slow heating**
  - **Removes clogging the pump**
- **The flat configuration Accoplast BSP bags ensures optimum heat exchange surface and reduces heating time.**

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## DIRECTION FOR USE

- The material is ho applied (180°C minimum).
- The double-walled oil bath type bitumen heater must be fitted with a continuous mixing device and a thermometer for maintaining the oil bath and the mastic at the correct temperature.
- ACCOPLAST BSP must be heated to a regulated temperature between 180°C and 200°C. The temperature of the sealant must be constantly checked on the thermostat  
**CAUTION : Do not heat above 220°C (product will begin to decompose)**
- The material must be placed using a transfer pump which injects it directly into the joint (the pump must be emptied each time work is stopped).
- The joint must be filled from the bottom up (the minimum pouring temperature is 180°C). If difficult conditions apply, please contact us.

## APPLICATION

- The substrate must be clean, dry, dust-free, free of laitance, greasy stains, bitumen or diesel fuel.
- On metal or concrete support : coat with Primaire B according to its technical data sheet.
- The old products must be completely removed when the joints are repaired.
- The joints and cracks must be sealed only in dry weather and at temperature above 3°C.
- The material is hot applied (180°C minimum).
- The joint former placed at the bottom of the joint (elastic polyethylene foam or similar) must be able to withstand a temperature of 160°C during at least 5 minutes.  
Important : Do not use sand as joint former.

## PACKAGING



- ACCOPLAST BSP is packaged in solid form, in a silicon paper bag (without a fusible polyethylene film inner lining), weighting  $\pm 25$  kg, on pallets of approximately 1000 kg each (unit of sale)


## PRECAUTIONS FOR USE

- The temperature of the substrate must be no less than +3°C (do not apply to a damp substrate).
- 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

- ACCOPLAST BSP can be kept for 5 years from the date of shipment of the product if stored under cover in its original packaging.

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<b>EN 14188-1</b> <b>ACCOPLAST BSP</b> Joint fillers and sealants – type N1 Primer B used for this test					
Main Properties according to 14188-1		Units	Specification	Results	Test Method
Softening point, ring and ball		°C	≥ 85	104,8	EN 1427
Density at 25°C		Kg/m <sup>3</sup>	-	1,32	EN 13880-1
Bonding strenght	maximum tension	N/mm <sup>2</sup>	≤ 1,00	0,86	EN 13880-13
	final tension	N/mm <sup>2</sup>	≤ 0,15	0,11	
	adhesion failure	%	none	0	
	cohesion failure	%	none	0	
Collage Après immersion dans l'eau	maximum tension	N/mm <sup>2</sup>	≤ 1,00	NPD	EN 13880-13
	final tension	N/mm <sup>2</sup>	≤ 0,15	NPD	
	adhesion failure	%	none	0	
	cohesion failure	%	none	0	
Cohesion	maximum tension	N/mm <sup>2</sup>	0,48	0,48	EN 13880-10
	adhesion failure	mm <sup>2</sup>	< 50	10	
	cohesion failure	mm <sup>2</sup>	< 20	0	
Cohesion for cold climate areas	Maximum tension to asphalt	N/mm <sup>2</sup>	0,3	NPD	EN 13880-7
	Maximum tension to concrete	N/mm <sup>2</sup>	1,0	NPD	
	adhesion failure	-	none	NPD	
	cohesion failure	-	none	NPD	
Resistance to deformation	Resilience, 25°C	%	≥ 60	67	EN 13880-3
	Cone penetration	0,1 mm	40 - 130	44	EN 13880-2
Heat Stability	Résilience	%	≥ 60	66	EN 13880-4
	Cone penetration	0,1 mm	40 - 130	41	
Flow resistance		mm	≤ 2	0	EN 13880-5
Durability	Compatibility with asphalt pavement	-	-	passed	EN 13880-9

\* NPD = Performance not Determined

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.

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