

# ACCOPLAST E

Hot-applied mastic for bridging cracks in bituminous coated materials - Type N1



## USES

- Sealing of cracks in bituminous overlays, with controlled thickness and width of covering.

## DESCRIPTION

- ACCOPLAST E is a hot applied sealant material, type N1. (Type N1 according to EN 14188-1 is an elastic product with high elongation.)
- Good resistance to ageing.
- Good adherence to prepared bituminous support.
- Good adherence to prepared concrete support with Primer B.

## PROPERTIES

- |   |                                      |
|---|--------------------------------------|
| ➤ Density at 25°C (NF EN 13880-1)                         | 1310 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 (NF EN 13880-5)                         | ≤ 2mm                                |
| ➤ Resilience before and after ageing (NF EN 13880-3 et 4) | ≥ 60 %                               |

## ADVANTAGES

- Excellent adherence to bituminous coated materials without bond coat.
- Excellent performance at low temperature (- 20°C).
- Watertight.
- **Accoplast E 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 E bags ensures optimum heat exchange surface and reduces heating time.**

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## DIRECTION FOR USE

- The material is hot applied.
- 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 E must be heated to a regulated temperature between 140°C and 180°C. This very wide range allows the viscosity to be adjusted to suit the width of the cracks to be sealed.  
The mastic temperature should be controlled continuously on the heater.  
**CAUTION : Do not heat above 200°C (product will begin to decompose and material lose its properties)**

## APPLICATION

- The substrate must be clean, dry, dust-free, free of laitance, greasy stains, bitumen or diesel fuel.
- The cracks must be sealed in dry weather and at temperature above 3°C.
- Prior to application, the crack must be cleaned and pre-heated using a hot air gun (except in the case of a surface coating).
- The material must be placed using a transfer pump which injects it directly into the finishing shoe (the pump must be emptied each time work is stopped).
- The thickness and width of the bridging over micro-cracks are set by means of a finishing shoe.
- **SEALING AND BRIDGING OF MICRO-CRACKS**
  - Application temperature : between 160 and 180°C
- **SEALING OF MACRO-CRACKS** (Width greater than 3 mm)
  - Application temperature : between 140°C and 160°C
  - In all cases, cracks to be filled over a minimum depth of 1 cm.
  - The mastic must be sanded while hot with clean 1-2 mm sand.
  - Once the mastic has cooled below 50°C, the road can be re-opened to traffic.
  - Do not apply the mastic to damp surfaces or those contaminated with hydrocarbons, oils or other impurities.

## PACKAGING



- ACCOPLAST E 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 E 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>INTERDESCO</b> 134, avenue de la gare 21220 GEVREY-CHAMBERTIN FRANCE					
13					
<b>EN 14188-1</b> <b>ACCOPLAST E</b> Joint fillers and sealants – type N1					
Main Properties according to 14188-1		Units	Specification	Results	Test Method
Softening point, ring and ball		°C	≥ 85	105	EN 1427
Density at 25°C		Kg/m <sup>3</sup>	-	1,31	EN 13880-1
Bonding strenght	maximum tension	N/mm <sup>2</sup>	≤ 1,00	0,79	EN 13880-13
	final tension	N/mm <sup>2</sup>	≤ 0,15	0,09	
	adhesion failure	%	none	0	
	cohesion failure	%	none	0	
Bonding after immersion into water	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	0,42	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	65	EN 13880-3
	Cone penetration	0,1 mm	40 - 130	44	EN 13880-2
Heat Stability	Résilience	%	≥ 60	72	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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