ACCOPLAST N2

Hot-applied joint sealant - Type N2

CE

EN 14188-1

USES

- Filling horizontal joints between cement concrete or composite pavements of concrete and bituminous coated material.
- Bridging cracks in bituminous coated materials or concrete.
- Primer B can be used as bond coat.

DESCRIPTION

- ACCOPLAST N2 is a hot applied sealant material, type N2. (Type N2 according to EN 14188-1 is a common product with low elongation).
- ACCOPLAST N2 has good chemical resistance to salt water, de-icing salts and concentrated acids.
- Good ageing resistance.
- Good adhesion on prepared bituminous coated.
- Good adhesion on prepared concrete substrate with Primer B.

PROPERTIES

Density at 25°C (NF EN 13880-1)	1120 kg/m³ approximately
Elongation at 20°C	> 500 %
Elongation at -20°C	> 50 %
Cone penetration at 25°C, in 0,1 mm (NF EN 13880-2)	40 – 100
Ball and ring softening temperature, in °C (NF EN 1427)	> 85°C
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.

REPORT

- Report N° P 10273-1-E du 30/11/2016, Kiwa Polymer Institute GmbH.

ADVANTAGES

- Elongation higher than 500%.
- Excellent performance at low temperature (- 20°C).
- Watertight.
- **Accoplast N2 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 N2 bags ensures optimum heat exchange surface and reduces heating time.**

ISO 9001

INTERDESCO
134 avenue de la Gare • 21220 GEVREY-CHAMBERTIN • France
☏ 00.33.(0)3.80.34.31.57 🖷 00.33.(0)3.80.51.85.48
www.interdesco.com

DIRECTION FOR USE

- 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 N2 must be heated to a regulated temperature between 160°C and 180°C.
- CAUTION : Do not heat above 220°C (product will begin to decompose)

- **Joint sealing :**
  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 160°C)

- **Overseal banding of cracks :**
  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.

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.
- Seams and cracks can only be sealed in dry conditions and at a temperature above 0 ° C.
- **For joint sealing :**
- The old products must be completely removed when the joints are repaired.
- 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.
- **For overseal banding of cracks :**
  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 is ho applied (160°C minimum).
  Important : Do not use sand as joint former.

OVERSEAL BANDING OF CRACKS

JOINT SEALING

ISO 9001

INTERDESCO
134 avenue de la Gare • 21220 GEVREY-CHAMBERTIN • France
☏ 00.33.(0)3.80.34.31.57 🖷 00.33.(0)3.80.51.85.48
www.interdesco.com

PACKAGING

- ACCOPLAST N2 is packaged in solid form, in a silicon paper bag (without a fusible polyethylene film inner lining), weighting ± 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 N2 can be kept for 5 years from the date of shipment of the product if stored under cover in its original packaging.

ISO 9001

INTERDESCO
134 avenue de la Gare • 21220 GEVREY-CHAMBERTIN • France
☏ 00.33.(0)3.80.34.31.57 🖷 00.33.(0)3.80.51.85.48
www.interdesco.com

CE

INTERDESCO
134, avenue de la gare
21220 GEVREY-CHAMBERTIN
FRANCE

13

EN 14188-1

ACCOPLAST N2

Joint fillers and sealants – type N2
No primer B used for this test

Main Properties according to 14188-1		Units	Specification	Results	Test Method
Softening point, ring and ball		°C	≥ 85	100,2	EN 1427
Density at 25°C		Kg/m³	-	1,12	EN 13880-1
Bonding strength	maximum tension	N/mm²	≤ 0,75	0,46	EN 13880-13
	final tension	N/mm²	-	-	
	adhesion failure	%	none	0	
	cohesion failure	%	none	0	
Bonding strength after water immersion	maximum tension	N/mm²	≤ 0,75	0,36	EN 13880-13
	final tension	N/mm²	-	NPD	
	adhesion failure	%	none	0	
	cohesion failure	%	none	0	
Cohesion	maximum tension	N/mm²	0,48	0,25	EN 13880-10
	adhesion failure	mm²	< 50	0	
	cohesion failure	mm²	< 20	0	
Cohesion for cold climate areas	Maximum tension to asphalt	N/mm²	0,3	NPD	EN 13880-7
	Maximum tension to concrete	N/mm²	1,0	NPD	
	adhesion failure	-	none	NPD	
	cohesion failure	-	none	NPD	
Resistance to deformation	Resilience, 25°C	%	≤ 60	44	EN 13880-3
	Cone penetration	0,1 mm	40 - 100	45	EN 13880-2
Heat Stability	Résilience	%	≤ 60	40	EN 13880-4
	Cone penetration	0,1 mm	40 - 100	44	
Flow resistance		mm	≤ 3	0	0
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.

ISO 9001