

# COLAS PRODUCTS DATA SHEET

## COLJOINT N2



**Coljoint N2** is a polymer modified, bituminous, hot applied joint sealant compound. It is designed to be tough, flexible and have good extension properties over a wide range of ambient temperatures.

**Coljoint N2** is suitable for joints between concrete and bituminous surfacing preventing entry of water and other materials. It has excellent recovery properties and low temperature flexibility.

**Coljoint N2** is not recommended for overbanding due to its lack of skid resistance. **Jointgrip OB** is recommended for overbanding due to its superior skid resistance properties.

### WHERE TO USE?

- Carriageways
- Runways
- Motorways
- Footways

### PREPARATION

Damaged joints must be repaired using an epoxy mortar approved by Colas. If necessary joints should also be treated by grit blasting. Joints and cracks should always be thoroughly cleaned and dried with a hot compressed air lance in order to remove all moisture and dirt. This process should be carried out immediately prior to the application of **Coljoint N2**.

Concrete joints should be primed with **CP Primer** before applying **Coljoint N2**.

### APPLICATION

**Coljoint N2** should be heated indirectly and agitated in a purpose-built sealant preheater unit with thermostatic control. Ensuring that the temperature does not exceed 195°C. The heater unit should be air-jacketed or oil-jacketed. The materials should then be pumped in to the joint, or poured at temperatures between 175-190°C using a melter pourer or bucket with a 'V' lip, with the minimum loss of temperature. Joints should be sealed to a level of at least 3mm below the surface.

Application Properties	
Pouring temperature	170°C - 190°C
Safe heating temperature	185°C for 6 hours maximum 190°C maximum temperature

### COVERAGE

Weight of Coljoint N2 Sealant to fill 100m joint (kg)						
Depth of joint (mm)	Width of joint (mm)					
	15	20	25	30	35	40
20	30	40	50	60	70	80
25	-	-	62.5	75	87.5	100
30	-	-	-	90	105	120
35	-	-	-	-	122.5	140
40	-	-	-	-	-	160

### PACKAGING

**Coljoint N2** is available in plastic lined papersacks holding 15kg (nominal). Remove the paper leaving plastic liner and load into heating equipment.

### STORAGE

Keep in dry store under cover.

### STANDARDS

**Coljoint N2** complies with the specification given in BS 2499: Part 1 1993 Hot-applied joint sealant systems for concrete pavements - Part 1. Specifications for Joint Sealants; Type N2 Sealant.

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Test Name	Specification
Cone Penetration (25°C, 150g)	4 to 10mm
Flow (60°C, plate)	<10mm
Extension Test (3 cycles at -20°C at 6mm/hour for 3 hours)	<50mm <sup>2</sup> debonding <20mm <sup>2</sup> rupture, with less than 3mm depth Force between 160-1600N
Resilience (25°C)	40% minimum recovery
Determination of bitumen compatibility	No adhesion failure, no oily exhudate
Softening Point	≥85°C
Density at 25°C (g/cm <sup>3</sup> )	1.017 (Typical value)

### SAFETY

#### SAFETY HANDLING PRECAUTIONS (when hot)

- Wear suitable protective clothing (heat resistant gauntlet gloves, overalls, protective footwear, face visor)
- DO NOT allow water to contact hot material
- DO NOT exceed maximum safe heating temperature
- If molten material contacts skin:
  - DO NOT attempt to remove
  - Immerse affected area in cold running water for at least 10 minutes
  - Seek medical advice without delay

NB: This product is hazardous for transportation when carried at temperatures above 100°C.

For full safety information please request the **Coljoint N2** Safety Data Sheet 06 using the contact information below.

#### NATIONAL SALES OFFICE

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WE OPEN THE WAY