

Bitubond N

Single component solvent based synthetic rubber

Used as an adhesive for bonding bitumen fiber boards and other materials

CHARACTERISTICS

- ▶ Excellent heat resistance
- ▶ Single component, easy to apply
- ▶ Designed to use in tropical climates
- ▶ Can be applied by brush or scrapper



DESCRIPTION

Bitubond N is a single component solvent based synthetic rubber adhesive. Used as an adhesive for bonding bitumen fiber boards, bitumen felt, plastic, laminates, veneer boards, rubber and plastic edging strips, rubber, leather, linoleum, felt, cork, foam to wood, chipboard, concrete, stone, metals and bitumen surfaces.

APPLICATION INSTRUCTIONS

Surface preparation

The surface should be free from dust, dirt, curing compound, oil etc. Clean the surface thoroughly to remove all loosely adhering particles and cement laitance.

Application temperature

Do not use at temperatures below +5°C. At low temperature care must be taken that the temperature of the adhesive and of the surfaces to be bonded is higher than the ambient temperature. Cold materials have a strong tendency to attract the moisture present in the surrounding air. Moisture on the adhesive film may have a disastrous effect on the bond and will lead to unsatisfactory results. Assembly time: 10 to 30 minutes

Coverage

Dependent on the surface texture of the materials to be bonded. 2-3 m² /L (if applied to both surfaces)

Directions for use

Apply an even film of adhesive on both the surfaces with a strong brush or spreader. For porous substrates two coats are to be applied. The second is to be applied after the first coat dries. The two materials are to be bonded when the adhesive applied becomes tacky. Take care to position the



materials accurately, because once the joint is made, they cannot be adjusted by sliding. Next firmly tap the surfaces with a rubber hammer or roll with a pressure roll. A press may be used as well; the pressure must then be sufficiently high and evenly applied to the entire surface. Bumps and gaps reduce the contact surface. Air bubbles can be avoided by unrolling the material during fixing. Bitubond N Contact Adhesive has a very good initial grab. However, pressure applied only by hand is not sufficient. To obtain optimum results, it is essential to tap or roll firmly over the entire surface in all cases. The use of clamps, which only apply a pressure to the edges, is absolutely insufficient. Do not leave the materials coated with the contact adhesive liquid to dry in a draughty damp or dusty space. Supports/props can be used to keep the boards in place till the adhesive is strong enough to hold the board.

Note: Adhesive stains can be removed by a cleaning solvent.

Cleaning

Clean all tools immediately after use with a cleaning solvent.

STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must

be stored in air- conditioned environment. Bitubond N has a shelf life of 12 months, provided it is stored in unopened containers in a cool place.

HEALTH AND SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

PACKING

Bitubond N 5L pail

COVERAGE

Bitubond N 3-4 m²/L

TECHNICAL PROPERTIES

PROPERTIES	VALUES
Color	Black
Density	0.95 g/cc
Initial set at 25°C	20 minutes
Final set at 25°C	48 hours
Bond strength	>3 N/mm ²
Application temperature	+5°C to +50°C
Service temperature	-10°C to +70°C
Frost resistance	Excellent
Resistance to moisture	Good
Chemical resistance	Resistance to corrosive soil, oil, bases and acids.
Viscosity	8000 cp at 20°C

All values given are subject to 5-10% tolerance

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.