



BIGUMA®-N2 Plus

(HOT POUR POLYMER MODIFIED SEANAT)



Polymer modified bituminous joint sealant in accordance with TL Fug-StB and DIN EN 14188-1, Type N2

THE PRODUCT IN BRIEF

BIGUMA N2 PLUS is a hot poured elastomeric horizontal joint sealant formulated for the sealing of movement and construction joints in concrete pavements, aprons and floor slabs.

It possesses good adhesion to concrete and asphaltic materials.

BIGUMA N2 PLUS

Is an economical sealant for horizontal and inclined joints of up to 1 in 20.

It resist dirt and ingress of grit associated with trafficked pavements.

It has good adhesion to concrete and asphalted surfaces.

SPECIFICATION COMPLIANCE

BS EN 14188-1:2004

Fugeneinlagen und Fugenmassen. Anforderungen an heissverarbeitbare Fugenmassen

PRINCIPAL APPLICATIONS

- Joints in Aircraft parking aprons
- Joints in Aircraft runways
- Joints in vehicle parking aprons
- Joints in water retaining and excluding structures
- Joints in building apron surrounds
- Joints in building driveways

BIGUMA N2 PLUS is formulated with a higher softening point for use in hot climates for the sealing of joints on exposed concrete aprons and pavements where other grades would be unacceptably soft and turns brittle and crack within a few months.

BIGUMA N2 PLUS differs greatly from other base bitumen compounds which hardens within months and crack open when it is exposed to the constant hazards of weathering and UV rays.

BIGUMA N2 PLUS is particularly recommended for the sealing of joints in reinforced and unreinforced concrete roads, airfield concrete aprons and runways.

As the product is of bitumen base, it is also suitable for sealing joints in asphalt surfaces.

TECHNICAL DATA

FORM	Plastic Solid
STORAGE LIFE	2 years. Must be stacked flat not more than six slabs high and must be covered

FLASH POINT	Over 65°C
PRODUCT POURING TEMPERATURE RANGE	160°C to 180°C
SOLID CONTENT	100%
DENSITY	1,1 kg/l

CHEMICAL RESISTANCE TO OCCASIONAL SPILLAGE

DILUTE ACIDS	Resistant
DILUTE ALKALIS	Resistant
PETROLEUM SOLVENTS	Resistant
MINERAL OILS	Resistant
SKYROL	Resistant
VEGETABLE OILS	Resistant
GREASES	Resistant
CHEMICALS	Remove all chemicals immediately
MOVEMENT ACCOMODATION	35%

PACKAGING

BIGUMA N2 Plus can be supplied in thin metal containers or in paper cartons.

Thin Metal containers:	30 kg or 10 kg
Cartons:	24 kg, or 12 kg

COVERAGE

JOINT SIZE IN MM	KG PER METER RUN
10 x 20	0.20
10 x 25	0.22 -0.29
15 x 20	0.34
15 x 25	0.43
20 x 20	0.44
20 x 25	0.55
25 x 20	0.55
25 x 25	0.69
30 x 25	0.82
30 x 30	0.99



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INSTALLATION

Surface Preparation

The joint wall surfaces shall be dry and free from old sealing compounds, oils, dust, scale, grit, laitance and loose stone.

New concrete surfaces shall be cured before compound is poured. Where applicable, care must be taken to ensure that compressible joint formers such as Flexcell, Corkfil, is used to form the joint width and provides sufficient support for BIGUMA N2 PLUS SEALANT..

Priming

Absorbent joint wall surfaces require priming with: COLZUMIX HAFTGRUND N2 PLUS

Coverage of Primer

In general, 5 liters of primer is needed for 250 kg of Biguma N2 Plus.

Application

It is essential that the correct equipment is used for re melting Biguma N2 Plus to ensure that the subsequent performance is not impaired by damage through over heating or pouring at the wrong temperature.

The heating apparatus must be equipped with a thermometer, an oil jacket and an added mixer in the heat boiler which provides stirring of the molten compound.

Direct heating should be limited to equipment fitted with a mechanically driven stirrer.

Appropriate equipment is listed below and may be purchased from DGA

DGA provides small and large capacity melters cum dispesers

Repeated melting of heated Biguman N2 should be avoided.

In expansion or contraction joints, Biguma N2 Plus should be poured to a level 3 mm below the traffic surface to allow for upward displacement when the joint contracts.

Biguman N2 should not be in contact with wheel traffic.

Expansion or contraction joints in asphalt substrate should be made flush with the finishing surface



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