



Nafuflex DB

Special Joint Sealing Strips for the Structural Waterproofing System

Product Properties

- Flexible
- Resistance against diluted acids, bases and saline solutions
- Compatible with polymer-modified bituminous coatings and products of the expert proof range.
- Flexible sealing area can be hot-air welded.

Areas of Application

- All kind of Structural Joints of the Structure
- Cracks in substrate

Application Notes

Surface preparation

Before application of **Nafuflex DB** all substrates must be verified for load-bearing capacity and prepared by means of a suitable surface blasting method. The substrates must be dry (residual moisture $\leq 6\%$, CM-method), free of cement laitance, dust, oil and other contaminants. A minimum pull-off strength of 1.5N/mm^2 is required. The bonding surface of the substrate must be protected from increasing backwards moisture.

Before application of **Nafuflex DB** strips the evenness of the concrete surface must be checked. The leveling mortar MC-DUR Range Epoxy mortar can be used for leveling (roughness $< 1.5\text{ mm}$) according to the application advice indicated in the technical data sheet.

The iron and steel surface must be cleaned in accordance with standards purity SA 3 according to DIN EN ISO 12944-4:1998-07. It must be dry and free from any rust film and other contaminations. Quartz-free grit blasting is suitable method for preparation and cleaning.

Application

Movement and construction joints must be covered completely with **Nafuflex DB** sealing strips. For all Joint type, we recommend looping the sealing strip into the joint; otherwise a flat application is sufficient. The sealing Strip should be fixed by using **MC DUR 1280 SA** with the wider fleece edge facing the substrate. All the bonded part of the membrane should be pressed thoroughly with hand roller so that there will be no air entrapment between the Nafuflex DB and MC DUR 1280 SA.

Incase of wider Joints, During Installation Nafuflex DB has to be inserted loop-shaped (Ω -Omega shaped).

General Information

For the production of seam and butt joints on site, DIN 18533-2, Section 7.2.5.10 describes possible joining techniques. The Sealing strips have to be dry, clean and free from anti-adhesive substances before connecting them to each other.

Nafuflex DB can be welded with hot air (350° C). Please ask for information on hot air welding. DIN 18533 must be observed when working with polymer-modified bituminous thick coatings.

Safety Advice

Please Take notice of the Safety information and advice given on the Packaging labels and safety data Sheets.



Application Guideline for Nafuflex DB

		
<p>Mix MC Dur 1280SA Adhesive after suitable surface preparation</p>	<p>Apply MC Dur 1280 Adhesive on both sides approx. 2-3 mm thick. Before application of Nafuflex DB Membrane</p>	<p>Press the Nafuflex DB Tape onto fresh adhesive layer</p>
		
<p>Immediately apply a second layer of adhesive on top of the tape and overlapping the tape on the sides</p>	<p>Use MC Dur 1280SA Adhesive to overcoat the area which is masked with the masking tape</p>	<p>Remove the masking tape while the adhesive is fresh.</p>

Technical Data For Nafuflex DB

Characteristic	Unit	Value		Comments
		DB 230	DB 300	
Width	mm	230	300	
Coating Width	mm	110	180	
Total Thickness	mm	1.5	1.5	
Breaking Load Lateral	N/15 mm	61	61	
Extension Breal Lateral	%	490	490	
Breaking Load Longitudinal	N/15 mm	142	167	
Extension Breal Longitudinal	%	33	35	
Resistance to water pressure	bar	>3	>3	
Temperature resistance	°C	-30 to +90	-30 to +90	

Product Characteristics for Nafuflex DB

Type of product	Thermoplastic elastomer with Polypropylene-fleece
Form	30m Roll (DB 230mm and DB 300 mm width)
Storage	Store under cool and dry conditions, protect from direct sunlight and any mechanical damage.

Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

Note: - The information on this Data Sheet is based on our experiences and correct to the best of our knowledge. It is However, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our Data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are binding if given in written form. The accepted engineering rules must be observed at all times.

Edition: - MC/IND/191121, Some Technical Changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.