



## Technical Data Sheet

# Strata Bond HA

## Two component Polyurethane Resin

### 1. Application

Strata Bond HA is a 2-component, fast reacting, polyurethane resin. It is suitable for ground / strata stabilization, gas sealing in coal mines.

### 2. Material characteristic

#### Components:

	Unit	Strata Bond HA comp. A	Strata Bond HA comp. B
Appearance	-----	Pale yellow liquid	Dark brown liquid
Density at 20 °C	g/cm <sup>3</sup>	1.08±0.05	1.23±0.05
Viscosity at 25 °C	mPas	300±50	220±50

#### Material properties:

	Unit	Results
Foam Factor	----	1.5 – 2.5
Reaction End Time @ 25 °C	s	80
Max. Reaction Temp.	°C	< 135
Compressive Strength	MPa	> 50
Flexural Strength	MPa	> 35

### 3. Processing

The components Strata Bond HA A and Strata Bond HA B shall be pumped using a two component pump as commonly used in the mining and tunnelling industry with a volumetric ratio of 1:1.

It is recommend to use a static mixers of the type: M-10x360 (part no. M-10x360) or an equivalent.

Components mixing ratios:

	Strata Bond HA A	Strata Bond HA B
by volume v/v	100	100
by weight m/m	100	110

If components A and B are mixed at a different mixing ratio, the reaction time and mechanical properties may deviate from above specifications.

### 4. Storage and transport conditions

Both adhesive components are supplied in jerry can containers (other packaging is possible on the request). Recommended storage in dry and airy rooms at temperature range of 10 to 30 °C. The guaranteed shelf life from the date of manufacture is 12 months for Strata Bond HA comp. A and Strata Bond HA comp. B in original unopened packs (if stored according to the instructions).

### 5. Tests and approvals

Report no. 8115787747-10c Reaction temperature and flash point. DMT GmbH, June 2018

Report no. 8115996142-30a Material consistency and auto-ignite determination. DMT GmbH, July 2018.

Report no. T18-00165/0001 Compilation with NSW Australian Mining Standards. Mine Safety Technology Centre, May 2018.

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### 6. General terms and condition

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Data presented in this document were obtained under laboratory conditions. Actual results under different conditions may slightly deviate from published data. A proper Material Safety Data Sheet for this product is available upon request.

Before an application, please contact with the supplier to confirm product usefulness at given application conditions.

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