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Technical Datasheet
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Python BL



PYTHON BL A ONE COMPONENT, HIGH MODULUS POLYURETHANE SEALANT

 High bond strength	FAST CURING	
 Excellent chemical resistance		
 Stays elastic after curing		EASY APPLICATION
 Good colour stability		ESPECIALLY DEVELOPED FOR CONCRETE
 Very easy to apply		

DESCRIPTION

One component, high modulus polyurethane sealant. Used for bonding and sealing in the construction industries, flooring applications and structural bonding in vibrating conditions. Can be used on tiles, concrete, timber, metal and GRP.

PACKAGING

Colour: black
Packaging: 310 ml alu cartridge

APPLICATIONS

- All sealing and bonding applications in the building industry.
- Structural bondings in vibrating constructions.
- Sealing of shrinking joints in concrete floors.

APPLICATION METHOD

Application method: With manual or pneumatic caulking gun.
Cleaning: Clean with white spirit or Surface Cleaner immediately after use.
Finishing: With a soapy solution before skinning.
Repair: With the same material.

SUBSTRATES

Substrates: all usual building substrates, metals, polyesters.
Nature: clean, dry, free of dust and grease.
Surface preparation: Apply Python PR on porous substrates. Always use Python PR on natural stone, no primer on non-porous substrates. All smooth surfaces can be treated with surface activator.
No adhesion on glass. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary compatibility test.

SHELF LIFE

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

JOINT DIMENSIONS	
Min. width for bonding	2 mm
Skimmed plasterboard (gypsum)	5 mm
Max. width for bonding	10 mm
Max. width for joints	30 mm
Min. depth for joints	5 mm
Recommendation sealing jobs	Joint width = 2 x joint depth

HEALTH AND SAFETY

Take the usual labour hygiene into account. Consult the packaging label for more information.

Remarks

When painted with oxidative drying paints disturbances in the drying of the paint may occur (we recommend to do a compatibility test before application).

Environmental clauses

Leed regulation:

Python BL conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants.

SCAQMD rule 1168. Complies with USGBC LEED® 2009 Credit 4.1:

Low Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

Technical Data	
Basis	Polyurethane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 15 min
Curing speed * (20°C / 65% R.H.)	3 mm/24h
Hardness	40 ± 5 Shore A
Density	1,30 g/ml
Elastic recovery (ISO 7389)	> 80 %
Maximum allowed distortion	± 20 %
Temperature resistance	-30 °C - 90 °C
Max. tension (DIN 53504)	-30 °C - 90 °C
Elasticity modulus 100% (DIN 53504)	1,70 N/mm ²
Elongation at break (DIN 53504)	0,80 N/mm ²
Application temperature	5 °C - 35 °C

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates