Novo Flex PU 40

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One Component Elastic High Modulus Polyurethane Sealant.

DEFINITION

Novo Flex PU40 Single-component polyurethane elastomer is a construction sealant for use in building joints. Primer omitted on anodized aluminum and mortar

ADVANTAGES

- Silicone-free
- Very good adhesion to most construction materials
- Hygiene
- Antibacterial
- Good elastic joint
- Good mechanical resistance
- Good resistance to weathering
- Impact and vibration absorbing
- Very low emissions

FIELDS Of USE

For sealing horizontal and vertical movement joints in building and civil engineering construction above or below ground for highways, bridges, airport runways, driveways, subways, food factors , medical and sewage treatment plants. It is suitable for areas subject to fuel and chemical spillage.

PROPERTIES @ 25 C°

Shore A Hardness	~40 (after 28 d) (ISO 868)
Tensile Strength	~1.5 N/mm^2 (ISO 37)
Secant Tensile Modulus	~0.60 N/mm^2 (after 28 d at 25 °C) (ISO 8339)
Elongation at Break	~600 % (ISO 37)
Elastic Recovery	~70 % (after 28 d) (ISO 7389)
Relative Air Humidity	30 % - 90 %
Substrate Temperature	+5 °C min. / +40 °C max.
Curing Rate	~3.5 mm / 24 h (23 °C / 50°% R.h.) (CQP 049-2)
Skin Time	~70 min (23 °C / 50 % R.h.) (CQP 019-1)
Rate of use	4-5 m /600ml (1cm x1cm)-approx.

Rate of use (guide table)

Guide table for rate of use for 600 ml / length (m)
Where this depends on some joint conditions

Width cm	Depth cm	Rate of use /600 ml
1	1	5
1.5	1.2	3

DIRECTIONS OF USE

- Surfaces should be clean, dry, and free from oil, dirt, grease, rust, laitance, etc.
- Concrete surfaces must be dry and stable (At least 4 weeks
- Users must check that the mastic is compatible with surface in terms of adhesiveness, staining and chemical compatibility (Test a section first).
- Correctly size the joints according to possible movements and movement capability
- The width of the joint must be between 6 – 40 mm. For width less than or equal to 10 mm. the depth should be equal to its width. For widths greater than 10 mm, the depth should be equal half to its width
- Use suitable **Novo Packing Rod** for adjusting the depth of joint before applying **Novo Flex PU40**

Priming

- For optimum results, all surfaces to be sealed should be Primed with **Novo prime 150 L.V**
- It can be poured in horizontal joints then filling and leveling by specific gun designed for this system or by suitable knife.
- Solvents such as thinner or **Novo Sol T 09** can be used to clean equipment, before material has cured.

STORAGE

6 months from the manufacturing date, in its original unopened package away from humidity. It is stored in a properly ventilated room at temperature (10-27) Cº.

PACKING

600 ML / sausage

HEALTH AND SAFETY

- Wear protective clothes, gloves, glasses and face protection.
- Good ventilations incase application by spraying
- For skin contact, remove it with suitable cream followed by soap and water cleaning.
- For eye contact, rinse with plenty clean water then ask for medical advice.

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