

Technical Data Sheet

SELLEYS 630 LOW MODULUS ELASTIC SEALANT

Silane Modified Polymer Joint Sealant

Description

Selleys 630 is a premium low modulus, multipurpose elastic joint sealant powered by advanced hybrid technology, suitable for a variety of sealing applications. Offering excellent resistance against UV and weathering, a high joint movement capability of $\pm 35\%$, 630 is able to withhold both indoor and outdoor applications. It offers very broad and primerless adhesion to most building materials* It is also a low VOC** product, free from harmful chemicals like solvents and isocyanates. Once cured it forms a strong, elastic waterproof[^] seal that is paintable with most water-based paints. It is available as a cartridge of 300mL or sausage of 600mL in a range of colours.

Uses

- Construction joint sealant applications
- Perimeter seals around doors, windows and facades
- General purpose interior joint sealant applications
- Sealing of fillet joints (wall & floor movement junctions)
- Precast wall panel joints, expansion joints, control joints and connection joints
- Window/door frame perimeter sealing
- Sealing of wall panel systems
- Suitable for humid conditions

Features/Advantages

- +/-35% joint movement capability
- Low modulus of elasticity
- Can be painted with water-based paints once cured
- Excellent resistance to aging and weathering
- No shrinkage or bubble formation during curing
- Excellent adhesion on common building materials such as concrete, masonry, brick, plasterboard, fibre cement board, ceramic & porcelain tile, wood, metals, glass, marble, and some plastics
- Can be applied on damp or wet surface
- Excellent UV and weather resistance
- **Meets Green Building Council of Australia low VOC limits for general purpose and architectural sealants
- Non slump, non sagging in joints up to 30mm in width

Instructions for Use/Application Instructions

- The following should only be used as a guide and the installer should apply all local application standards requirements, and best practices when installing.
- Ensure all surfaces are clean and dry, free of wax, grease, dust and any other foreign materials. Metal substrates should be degreased first.
- Cut nozzle at a sharp angle slightly wider than the desired bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved.
- Extrude sealant with a gun and tool with a round spatula within 10 minutes to spread the sealant against the joint surfaces.

Priming

Selleys 630 generally has good adhesion properties without priming to common building materials indicated. In some instances, a primer may be required and a pre-test to ensure suitable adhesion is recommended.

Joint & sealant dimensions

The optimum width to depth ratio for joint sealing is 2:1.

Minimum joint width and depth is 6mm.

For joint widths up to 12mm, use a width to depth ratio of 1:1

For joint widths greater than 12mm, use a width to depth ratio of 2:1

Notes:

- Wider joints can accommodate more total movement than narrow joints.
- Always install suitable diameter backing rod (polyethylene or polyurethane foam rod) in joints to control sealant depth and ensure free movement of sealant in joints.
- Sealant must adhere to sides of the joints only and NOT to the back, so that it is free to stretch.

Estimation of lineal coverage per Selleys 630 Low Modulus sausage

Joint Width (mm)	Joint Depth (mm)	Litre per lineal meter	Meters of Coverage
6	6	0.036	16.7
8	8	0.064	9.4
10	10	0.100	6.0
12	12	0.140	4.3
14	7	0.098	6.1
16	8	0.128	4.7
18	9	0.162	3.7
20	10	0.200	3.0
22	11	0.242	2.5
24	12	0.288	2.1
26	13	0.338	1.8
28	14	0.392	1.5
30	15	0.450	1.3
40	20	0.800	0.8

Technical Data/Properties

Contact Selleys before using this data for the setting of specifications.

Property	Typical Result
Colour	Grey, Black, White
Density	1.5 g/cm ³
Technology	Silane Modified Polymer
Application Temperature	5 – 40°C
Shelf Life	12 months
Shore A Hardness (DIN 53505)	20
Joint Movement Capability (ASTM C719)	±35%
Skin time at 23°C and 50% RH	70 min
Tack free time (ASTM C679)	100 min
Curing at 23°C and 50% R.H.	2-3 mm/24h
Elongation at Break (ISO 37)	500%
Tensile Strength (ISO 37)	1.0 MPa
Secant Tensile Modulus (ISO 8339)	0.3 MPa
Service Temperature	- 40°C / +80°C
VOC (ASTM D3960)	23 g/L

Important Notes/Limitations

- Do not apply if air or substrate surface temperature is below 5°C.
- Requires atmospheric moisture to cure.
- ^Not for permanent water immersion.
- Do not apply in the presence of curing silicone sealants as cure may be affected.
- Do not use for structural glazing.
- Avoid air entrapment while applying sealant.
- May affect drying of alkyd /oil-based paints.
- White sealant may yellow slightly with age and exposure to the sun.
- Do not store product above 30°C.
- *Not suitable for PE, PP, PTFE.

Storage

Store unopened sausages below 30°C in a cool dry place away from direct sunlight. Unopened products can be stored for 12 months from the date of manufacture. Opened products may skin and form a lump near the opening. Discard any lumps or skin and remaining product can be used.

Safety

Wear gloves and safety glasses when using.
Not classified as Dangerous Goods.
Refer to Safety Data Sheet for more detailed information.

Clean up

Spills and tools can be cleaned up with Mineral Turps before product cures. Cured product can only be removed mechanically.

Disclaimer

All information contained in this Product Information Sheet is as accurate and up-to-date as possible. Products can be expected to perform as indicated in this Sheet, so long as application procedures are followed as recommended. Notwithstanding the above, any recommendations made by Selleys or its distributors in relation to this or other products is to be taken as advice only. Selleys makes no representations or warranties that this product will be suitable for use. Subject to any applicable legislation which cannot be excluded (such as the Australian Consumer Law), Selleys takes no responsibility and will not be liable for any failure in performance of this product or any losses, damages, or injuries (consequential or otherwise) arising from the storage, mixing, application or other use of this product or for any representations made by you about the product which have not been approved in writing by Selleys. The buyer assumes all risk and responsibility for the use of this product.

© 2024 **Selleys** Pty Limited

Selleys – a division of DuluxGroup Australia Pty Ltd
1 Gow Street, Padstow, NSW 2211
1300 555 205 (Australia)
0800 735 539 (New Zealand)