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TECHNICAL DATA SHEET TDS022
PUBLISHED MARCH 2003

BUILDING SILICONE

DESCRIPTION

This is a one part product which cures when exposed to the moisture in the atmosphere to form an elastic weathertight seal. It is a neutral curing system specially formulated to provide adhesion to PVCu (uPVC) window frames and expansion joints.

USES

It can be used on non-porous and porous construction substrates, for example concrete, stone, masonry, brick, aluminium, glass, polycarbonate, reinforced plastic panels, roof sheets and acrylic panels.

- * Sealant for PVCu (uPVC) window frames.
- * For sealing expansion joints
- * Sealant for double glazed units.

ADVANTAGES

- * Does not require a primer for most common non-porous and porous construction surfaces, especially PVCu (uPVC) and other plastics.
- * Neutral cure.
- * Non-corrosive to metal.
- * Excellent weather ability
- * No maintenance required.
- * Excellent electrical insulation and waterproofing properties.

PRODUCT DATA

Service temperature: -50°C to +150°C

Joint movement capability: +/- 25%

Cure time (@ 25 C RH 50%): 1-2mm per day

Application temperature: 5°C - 40°C

Specific Gravity: 1.00

Light stability: Excellent
UV stability

Slump resistance: Non-slump
in vertical joints
up to 25mm width.

Chemical resistance: Excellent
resistance to dilute
acids, dilute alkalis
and other
chemicals normally
encountered.

Shore A Hardness: 25

Adhesion: Excellent to all
clean, dry surfaces.

Coverage/Usage Rate:

Rectangular Joint Size mm	Approx metres per cartridge
6 x 6	8.6
12 x 6	4.3
25 x 12	1

PACKAGING

Available in polyethylene cartridges containing;
Standard size - approx. 310mls.
Trade size – approx 380mls.

Available colours

Standard Cartridge	White, Transparent, Brown
Trade Cartridge	White, Transparent, Brown, Black, Grey, Portland, Brick Red & Buff

We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.

METHOD OF USE

Ensure all surfaces are clean, dry, sound and frost free (concrete must contain less than 4% moisture). Remove all traces of foreign matter, which could impair adhesion. Areas beside a joint should be masked with tape for a neat finish and removed immediately after tooling. Extrude sealant into joint ensuring complete contact with both sides. Smooth sealant with a knife within 5 minutes of application. The size of joint is important; the minimum width should be 6mm and the maximum width 25mm. Normally the depth should be half the width i.e. 12mm x 6mm. To achieve the required depth, a back-up material should be incorporated into the joint such as a polythene strip.



STORAGE

If stored as received in a cool, dry place between 5°C and 25°C the shelf life is twelve months.

HANDLING

BUILDING SILICONE SEALANT is non hazardous in normal use. Harmful if taken internally. For further information refer to the relevant Health and Safety data sheet.