

# Technical Data

## STAYSEAL 75 NON-PICK

Two Part, Pick-Resistant Epoxy Sealant

### Description

STAYSEAL 75 NON-PICK is a two-part easy to mix epoxy sealant which cures to form a hard, pick-resistant seal accommodating small movement in extension and large movement in compression.

### Benefits

- Excellent impact, wear and chemical resistance
- Resistant to picking
- Passed for use on different home office, national offender management services and ministry of justice projects.

### Recommended For

- Secure environments giving a vandal resistant seal.
- Perimeter sealing of cell windows, doors and sanitary ware.
- Swimming pools.
- Compression joints, shower rooms. Areas where long-term immersion in water is likely.

### Application

Mix with low speed pug to an even colour. Avoid excess air entrainment.

### Specific Resistances

UV Resistance - Good.

Chemical Resistance - As detailed on Specific Data Table overleaf.

Flammability - STAYSEAL 75 NON-PICK burns but will not readily ignite; it does not therefore constitute a fire hazard.

### Available in

1.2L Tin in the following colours:

White  
Grey

### Storage

Store in cool, dry conditions between +5°C and +25°C. Storage outside these parameters will dramatically reduce shelf life.

### Shelf Life

12 months from date of manufacture when stored as directed.



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### Health & Safety

Handle with care.  
Read material safety data sheet before use.

### Joint Dimensions

Joint Width: 6 - 20mm  
Joint Depth: 10mm (porous surface)  
6mm (non-porous surface)

### Surface Preparation

Ensure surfaces are clean, dry and free from loose material, dust, rust and grease. Use a proprietary degreaser if necessary.

### Specific Data

|                         |                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colour                  | White / Grey                                                                                                                                                                                 |
| Application Temperature | +10 to +40°C                                                                                                                                                                                 |
| Service Temperature     | -20 to +60°C                                                                                                                                                                                 |
| Shore D Hardness        | 60 - 70                                                                                                                                                                                      |
| Compressive Strength    | 50 N/mm <sup>2</sup> @ 7 days (20°C)                                                                                                                                                         |
| Tensile Strength        | 15 N/mm <sup>2</sup> @ 7 days (20°C)                                                                                                                                                         |
| Pot Life                | 30 minutes @ 20°C                                                                                                                                                                            |
| Cure Time               | 48 hours @ 25°C                                                                                                                                                                              |
| Chemical Resistance     | Resistant to most alkalis and dilute acids, petrol and diesel. Resistant to most cleaning chemicals used in swimming pools. Neat hypochlorite crystals should not be applied to the product. |
| Movement Accommodation  | 5% - tension<br>50% compression                                                                                                                                                              |

### Joint Width Calculation

Joint widths are calculated as in BS6213:

$$\text{Width} = \frac{M \times 100}{F} + M$$

Where M = movement and F = movement accommodation Factor

### Limitations

- Not recommended for structural joints.
- Not recommended for expansion joints.
- On application, surface bubbles may appear in joints during the curing process. Should this occur, re-tool joints after 30—60 minutes to reduce effect.

### Coverage

A 1.2 litre unit is sufficient to fill 1 litre of joint.

I.e. 10 linear metres @ 10mm x 10mm

| Joint Size (mm) | Litre per metre run |
|-----------------|---------------------|
| 6 x 6           | 27.75               |
| 9 x 6           | 18.50               |
| 12 x 9          | 9.25                |
| 18 x 12         | 4.75                |
| 24 x 24         | 1.75                |

### Primer

Priming is not always necessary; but if in doubt use a suitable primer as directed prior to application; especially when joints are to be immersed.

*The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.*