

## UNISEAL 150

### One part low modulus Polyurethane Sealant.

#### Description

Uniseal 150 is a high performance one part low modulus polyurethane sealant specifically developed for the sealing of contraction and expansion joints in civil engineering and building structures.

**Standards Compliance:** Conforms to B.S. 4254 - 1983

#### Applications

- Movement joints in concrete, brickwork and blockwork.
- Perimeter pointing around window and door frames.
- Cladding seals within lightweight modular systems.
- Movement and stress relief joints in tiles.
- Acoustic jointing.

#### Advantages

- One part therefore easy to apply.
- Excellent acoustic ratings.
- Excellent resistance to weathering.
- Permanently flexible.
- Low odour.
- 25% total joint movement.

#### Application Instructions

##### Preparation of Substrate:

All joints should be sound, dry and free from dirt, dust and grease. Cleaning should be carried out by means of wire brushing or grinding. Joint sides must be parallel and straight.

##### Placing of Backer Rod:

Following preparation of the joint, place either a backer rod or bond breaker tape to regulate the depth of the sealant and prevent adhesion to the expansion joint filler.

#### Priming

Apply one coat of Uniseal Primer P2 and allow to dry for between 45 minutes and 2 hours.

#### Gun Loading and Application:

Before starting application, ensure that any primer or cleaner has dried fully. Cut the end of the sachet with a sharp knife and place the sachet into a 600 ml Nufins Barrel Gun. Extrude the sealant into the base of the joint and ensure that full contact is made with the sides. Care should be taken to avoid trapping air within the sealant.

#### Tooling:

Select a tool to suit the width of the joint and wet it with clean water containing a little detergent. Working upwards in the case of vertical joints, lightly tool the sealant into the joint. On completion of the tooling remove masking tape if used immediately.

#### Technical Information

Base Polymer:	Thixotropic Polyurethane
Colour:	Grey
Application Temp:	5°C to 35°C
Service Temp. Range:	-30°C to 80°C
Cure Time (23°C @ 50% RH):	3mm/24 hours
Movement Accommodation	
Factor (M.A.F.):	25% (Butt joints)
Shore 'A' Hardness:	20 - 25
Tack Free Time:	60-90 mins (23°C @ 50% RH)
Chemical Resistance:	Weak Acids - Good Alkalis - Good
U.V. Resistance:	Excellent
Flash Point:	>80°C



## Coverage

Shown in metres per litre of sealant

Depth of Joint (mm)	Width of Joint - mm					
	10	12	15	20	25	30
10	10	8.3	6.7	5	4	3.33
12		6.9	5.5	4.1	3.3	2.7
15			4.45	3.33	2.67	2.23
20				2.5	2	1.67
25					1.6	1.33

Primer P2 - approximately 100 m run at 15mm depth per 250ml.

## Packaging

Uniseal 150 is available in 20 No. x 600ml sachets per box.

Uniseal Primer P2 is available in 1 litre cans.

## Storage

The storage life is approximately 12 months when stored at temperatures of between 5°C and 25°C in original unopened cartons. Store in cool dry conditions away from sunlight.

## Health & Safety

For full information consult the material COSHH data.

## Cleaning of Tools

Tools should be cleaned with Nuwash solvent as soon as possible after use.

## Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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