CI/SfB reference by SfB Agency
(59.2) Ht4

Denso®
LEADERS IN SEALING TECHNOLOGY

DENSOSTRIP

JOINT SEALANT FOR PRECAST CONCRETE MANHOLES, INSPECTION CHAMBERS, SHAFTS, TUNNELS & BOX CULVERTS

Product & Application Data

Introduction

Densostrip is designed to provide a permanently flexible, watertight joint between precast concrete units. These joints are formed under compression when the compound is reduced to half its original thickness. Densostrip is easy to apply by hand and ensures an effective long-term seal under all site and weather conditions.

Densostrip Features

- **Permanently flexible watertight seal**
- **Meets BS EN 1917 requirements for manholes (no need for concrete surrounds)**
- **One easy to use grade for all weather conditions**
- **Fast drying primer**
- **Supplied in appropriate profiles for every type of joint**
- **Approved and meets government requirements**
- **Manufactured in the UK - professional technical advisory service**
- **Resistant to chemical and biological attack**

Applying Densostrip to a box culvert.

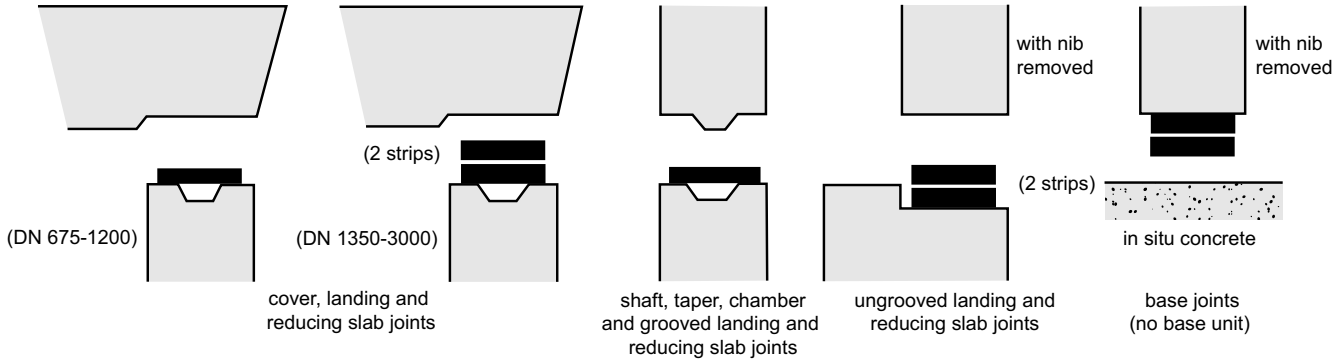
Approvals

Densostrip is specifically approved as a joint sealant for precast concrete units manufactured to BS EN 1917.

- BS EN 1917:2002 Concrete manholes and inspection chambers
- CESWI Civil Engineering Specification for the Water Industry 7th Edition (UKWIR Ltd)
- Sewers for Adoption, 5th Edition (WRc plc)

Densostrip Size Guide for Circular Manholes, Inspection Chambers and Access Shafts with Ogee, Rebated or Tongued and Grooved Joints.

Tongued and Grooved Manhole Joints



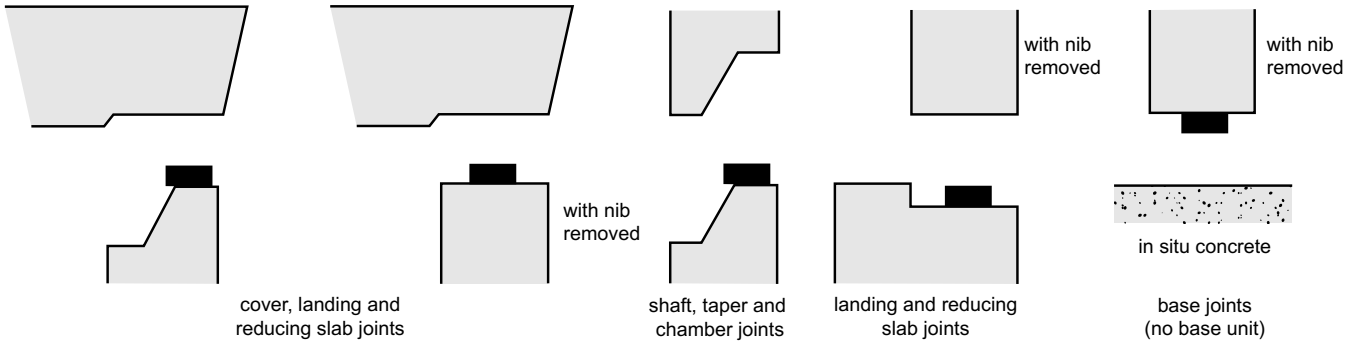
Densostrip Size	12mm x 25mm		12mm x 60mm		12mm x 80mm				12mm x 120mm			
Unit Nom. Size (DN)	675	750	900	1050	1200	1350	1500	1800	2100	2400	2700	3000
Densostrip Length	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6.5m	7.5m	8.5m	9.5m	10.5m
Densostrip Primer	5 litres per 75m				5 litres per 50m				5 litres per 35m			

Independent water pressure testing of manhole units joined with Densostrip to determine seal strength.

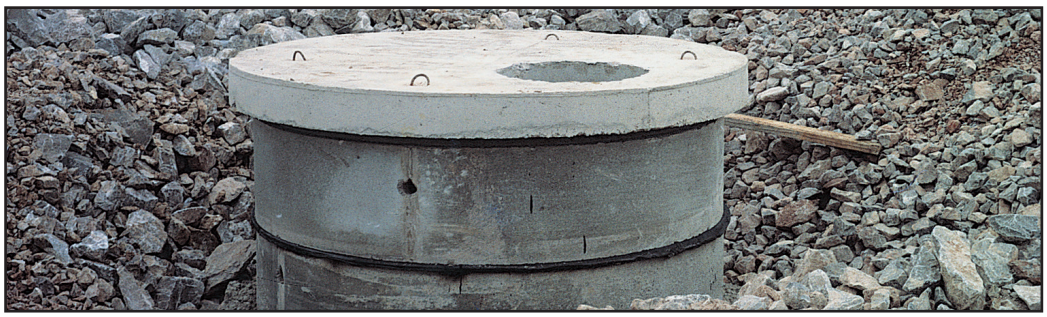
Densostrip is applied to the primed joint.

A manhole unit is carefully positioned onto Densostrip which is applied to the primed joint of a lower unit. Densostrip deformsthrough compression to form a watertight, flexible joint between the precast concrete manhole units.

Ogee or Rebated Manhole Joints



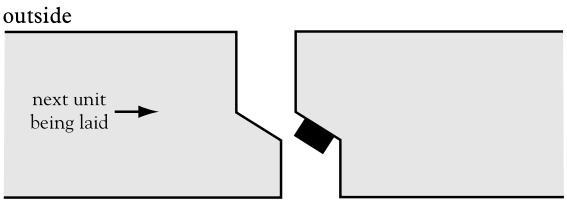
Densostrip Size	12mm x 25mm		20mm x 25mm		22mm x 30mm				25mm x 40mm			
Unit Nom. Size (DN)	675	750	900	1050	1200	1350	1500	1800	2100	2400	2700	3000
Densostrip Length (per joint)	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6.5m	7.5m	8.5m	9.5m	10.5m
Densostrip Primer	5 litres per 120m				5 litres per 90m				5 litres per 60m			



Manhole after Densostrip application.

Densostrip Size Guide for Box Culverts

Box Culvert Joints



Densostrip Size	25mm x 40mm (unless otherwise specified by the concrete unit manufacturer)
Densostrip Length (per joint)	formula = 2 x height + 2 x width
Densostrip Primer	5 litres per 60m

A box culvert unit is lowered into position.

Packing Details

Densostrip Size	12 x 60	12 x 80	12 x 120	12 x 25	20 x 25	22 x 30	25 x 40
Densostrip Length (per carton)	4 x 6m	3 x 6m	2 x 6m	9 x 6m	6 x 5m	5 x 4.5m	4 x 4m
Densostrip Primer	5 litre and 25 litre cans						

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