Sealed Chamber Ring

Marshalls
Civils & Drainage



After an extensive research programme, Marshalls were the first to introduce the 1200mm Sealed Manhole system to the UK in 2009 to meet the challenges of modern-day construction. Since then, it has gone from strength to strength. Available in 1200, 1500 and 1800mm, the Sealed Manhole comprises of a monolithic precast concrete base (available pre-benched in any configuration), a sealed chamber ring (with a thicker wall than a standard ring), a rubber joint (so no tokstrip of similar product is required) and a sealed cover slab which is supplied with your required access. The system can be installed in as little as 30 minutes with reduced need to work in confined space, making safe site practice a real winner. It eliminates the need for wet trades resulting in rapid construction compared to traditional methods as well as a reduction in the time the excavation is open.

DESCRIPTION	
Manufacturing process	Semi dry pressed and vibrated concrete
Base raw material	DC4 Concrete
Governing manufacturing standards	BS EN 1917:2002 and BS5911-3:2022
CE marking / DOP	https://dop.marshalls.co.uk/dop/

Chamber Rings can also be used to provide a Catchpit solution

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MATERIAL DETAILS	
Water absorption (%)	Not exceeding 6% by mass
Water Tightness	Meets the requirements of the standard
Material density	2300kg/m³ (typically)
Emission of abbestos	No content
Reaction to fire	Class A1 see European Comission Decision 2000/605/EC

SUSTAINABILITY	
Carbon footprint	Available upon request
Design life	Service life of over 120 years

ACCESSORIES	
Sealed cover slab	Available for each Sealed Chamber Ring diameter
Sealed landing slab	Available for each Sealed Chamber Ring diameter
Sealed reducing slab	Available for each Sealed Chamber Ring diameter
Manhole safety cover	Available to suit access aperture
Preformed base	Available to suit access aperture
Seating ring	Available to suit access aperture

FURTHER INFORMATION	
Product evolution	Marshalls reserve the right to amend the techical information as deemed necessary and in accordance with the relevant national and international standards without notice. The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure thatthey have the latest detail.
Contact us	For technical information on the design, specification and construction when utilising the product, contact Group Technical Servcies on 0370 411 2233

PHYSICAL PROPERTIES	DIAMETER (MM)	DEPTH (MM)	WALL THICKNESS (MM)	WEIGHT (KG)
SMH1202DS	1200	250	128	330
SMH1205DS	1200	500	128	650
SMH1207DS	1200	750	128	975
SMH1210DS	1200	1000	128	1300
SMH1212DS	1200	1250	128	1625
SMH1502DS	1500	250	140	1950
SMH1505DS	1500	500	140	860
SMH1507DS	1500	750	140	1330
SMH1510DS	1500	1000	140	1730
SMH1805DS	1800	500	140	1030
SMH1807DS	1800	750	140	1545
SMH1810DS	1800	1000	140	2060

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