

MasterLife WP 925

Hydrophilic swellable rings and plugs for formwork tie bar holes

Material description

MasterLife WP 925 is a system of hydrophilic rings and plugs ready for installation to protect formwork tie holes from water migration. The pieces are based on special polymer technology that acts by swelling on exposure to water to form a seal and render the tie holes waterproof.

Areas of application

- Water retaining structures.
- Water excluding structures.

Characteristics and benefits

- Fast and easy to install.
- Swells in contact with water by up to 200% - providing excellent sealing capabilities.
- Resistant to chemicals, solvents, fuels and oils.
- Controlled swelling – minimise the risk of damage to concrete.
- Outstanding chemical resistance.
- Reversible swelling process.
- Resistant to micro-organism formation.

Application Procedure

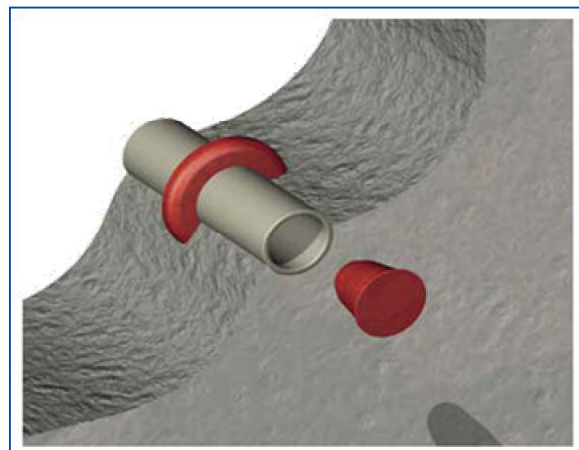
The hydrophilic ring is placed over the tie bar sleeves during formwork construction. After the concrete has been poured and the formwork struck, MasterLife WP 925 plugs are inserted into the tie hole sleeve. The remaining hole is then finished with MasterLife WP 89 waterproof mortar leaving a completely waterproof tie hole.

The installation temperature range to apply MasterLife WP 925 should be a minimum of 5°C and a maximum of 35°C.

Packaging

MasterLife WP 925 is available in a 4.4kg combi pack containing:

- 120 hydrophilic rings.
- 120 hydrophilic plugs.

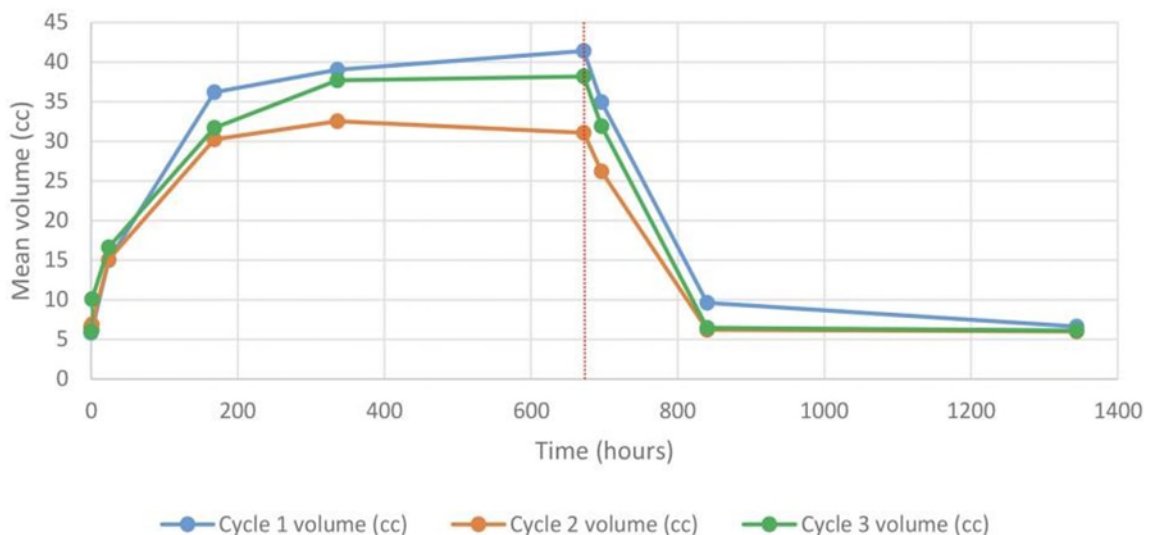


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Product Data	
Colour:	Red Solid
Application temperature (substrate and material):	5°C to 35°C
Working temperature:	- 40°C to 130°C (short term: + 145°C)
Water pressure resistance (14 days):	7 Bar
Volume expansion:	See graph below
Logistics	
Shelf life:	24 months if stored according to manufacturer's instructions in unopened container.
Storage conditions:	Store in original sealed containers and at temperatures between 5°C and 30°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Handling and transportation:	Refer to MasterLife WP 925 Safety Data Sheet
Disposal:	Refer to MasterLife WP 925 Safety Data Sheet

Swelling / recovery



Note: The dotted red line indicates the end of the swelling and the start of the recovery cycle.

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DISCLAIMER

MasterLife WP 925, Master Builders Solutions UK Ltd, Version 3

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Health and Safety: *For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

Spillage: Chemical products can cause damage; clean spillage immediately.

DISCLAIMER:

"Master Builders Solutions UK Ltd" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use. Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application. Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.