

MasterLife WP 912

Single component polymer-based hydrophilic mastic

Material Description

MasterLife WP 912 is a one component swellable hydrophilic mastic and is used to adhere MasterLife WP 910 to a dry clean substrate. MasterLife WP 912 swells when it comes into contact with water. MasterLife WP 912 can be used to seal small service pipes.

MasterLife WP 912 has a joint BBA approval with MasterLife WP 910 under certificate number 21/5889.

Areas of Application

- To adhere MasterLife WP 910 to the intended substrate.
- Sealing small service pipess.

Contact our Technical Department for any application required not mentioned here.

Characteristics and Benefits

MasterLife WP 912 offers the following benefits:

- Simple to use.
- High swelling capacity in contact with water.
- Highly resistant to chemicals and saline liquids
- Good adhesion to dry moist free surfaces.
- Excellent adhesion on concrete, steel, PVC without the need of primer.
- High flexibility and adaptability.

Application Procedure

Surface preparation:

Substrate must be structurally sound, clean and dry with the removal of all debris such as any contaminates including adhesives, diesel, dust, grease and oils before application. Installation temperature range to apply MasterLife WP 912 to the substrate should be a minimum of 5°C and a maximum of 35°C.

Application:

The product is supplied ready to use (no mixing required) and can be applied either with a manual or a pneumatic caulking gun.

Break the seal at the cartridge end, fix the nozzle and cut it to the desired application diameter. Place the cartridge into an appropriate caulking gun and apply the mastic to the substate.

Apply a continuous strip of MasterLife WP 912 mastic in the centre of the joint of approximately 10mm wide the construction joint before placing the MasterLife WP 910 waterbar into position.

Please note that insufficient concrete cover, low density concrete or voids will prevent the MasterLife WP 910 waterbar from performing a correct seal and therefore could lead to the failure of the joint. To avoid this:

- MasterLife WP 910 waterbars should be placed in the centre of the concrete structure.
- 80mm minimum cover both sides for reinforced concrete.
- 150mm minimum cover both sides for unreinforced concrete.

Installation of MasterLife WP 912 mastic with MasterLife WP 910 waterbar:

- Apply MasterLife WP 912 mastic in the centre of the joint having a bead of approximately 10mm wide.
- Allow up to 30 minutes before firmly pressing MasterLife WP 910 into the applied MasterLife WP 912.
- Ensure full and continuous contact between the MasterLife WP 912 mastic, the MasterLife WP 910 waterbar and the substrate is achieved.
- When the pouring height is above 500mm MasterLife WP 912 mastic must cure for a minimum of 12 hours before pouring concrete to avoid dislodging the MasterLife WP 910 waterbar(s).
- MasterLife WP 910 waterbar and MasterLife WP 912 mastic must be protected against water (for example, rain) until the concrete is poured.
- During pouring, compact the fresh concrete well around the MasterLife WP 910 waterbar to avoid honey combing.

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Cleaning of Tools

Tools can be cleaned from fresh material with a solvent cleaner. Once dry/cured they can only be cleaned mechanically.

Consumption

To form a 10mm bead you will get approximately 3.1m linear metre coverage per 310 ml cartridge.

Consumption can be calculated as follows: Application width (mm) x Application depth (mm) = ml of product / linear metre of joint.

Packaging

MasterLife WP 912 is available in boxes of 12 x 310 ml cartridges.

Watchpoints

Do not apply at temperatures below 5°C or above 35°C.
Minimum concrete cover to avoid cracking is 80mm.
It should be protected against premature swelling by keeping the surface area dry.

Hardening prior to pouring concrete: MasterLife WP 912 needs a minimum set time of 8 hours.

Contact Details

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Product Data	
Consistency:	Thick Paste
Density:	Approx. 1.45 g/cm ³
Hardening times	Measured at 23°C and 65% R.H. Higher temperatures and/or higher R.H. can shorten these times, and vice versa
Application temperature (substrate and material):	5°C to 35°C
Dry to touch:	Approx. 6 hours (temperature dependant)
Swelling capacity in distilled water:	Approx. 200% (excluding original volume)
The technical data provided are the outcome of statistical results and do not represent guaranteed minima. This consumption is theoretical and depends in particular on the evenness of the joint. In special cases a calculation based on in-situ tests might be required.	

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Logistics	
Shelf life:	12 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 912 Safety Data Sheet
Disposal:	Refer to MasterLife WP 912 Safety Data Sheet

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Disclaimer

MasterLife WP 912, Master Builders Solutions UK Ltd, Version 2

Health and Safety

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

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.

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.