

# MasterLife WP 912

Single component, polymer-based hydrophilic adhesive for use with MasterLife WP 910

## Material Description

MasterLife WP 912 is a one component, moisture curing polymer which swells when in contact with water.

## Areas of Application

- To adhere MasterLife WP 910 to suitable substrates.

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

## Characteristics and 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:

Surfaces must be clean, sound and free of dust, oil, grease and other adhesion impairing contaminants. Carefully remove all loose particles and dust by appropriate measures.

The temperature of the substrate should be minimum +5°C and maximum +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 adhesive.

Apply a continuous 10mm bead strip in the middle of the joint.

For a more detailed guide on the installation of MasterLife 912 with MasterLife 910 please see the MasterLife WP 910 Technical Data Sheet.

## 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.

## Watchpoints

Minimum concrete cover to avoid cracking is 80mm. It should be protected against premature swelling by keeping the surface area dry. MasterLife WP 912 needs a minimum set time of 12 hours.



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## Packaging

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

## Contact Details

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Product Data	
Consistency:	Thick Paste
Density:	Approx. 1.45 g/cm <sup>3</sup>
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 dependent)
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.	
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.

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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) endeavors 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.