

# MasterLife WP 799

Water resisting admixture for concrete - EN 934-2: T9

## Material Description

MasterLife WP 799 is a bagged high performance integral waterproofing admixture for ready mixed concrete incorporating combined waterproofing and superplasticising components. On completion of correct placing the resulting concrete has reduced water permeability.

MasterLife WP 799 is BBA approved under certificate 21/5887 and conforms to BS EN 934-2 Table 9.

## Areas of Application

- Concrete subject to water pressure.
- Below ground construction.
- Retaining walls.
- Concrete slabs.
- Water retaining structures.
- Suitable for concrete designed to BS EN 1992-3:2006 & 1992-1:2004+A1:2014
- BS 8102:2022 (Table 2 for Grades 1a to 3).
- Ready mixed concrete.
- Not suitable for site mixing.
- Not suitable for use in volumetric mixing trucks

## Characteristics and Benefits

- Reduces water permeability in concrete.
- 10% - 15% water reduction.
- Water soluble bags for easy, clean, dispensing.

## Dosage

The dosage rate of MasterLife WP 799 is 2 x 875g bag per 1.0m<sup>3</sup>.

## Application Procedure

MasterLife WP 799 should be added to the concrete at the mixing stage. It should not be added to dry components as it will absorb and so reduce the effect. Add MasterLife WP 799 after at least 70% of the mixing water has been added. The sachets are soluble in water and do not require any breaking or tearing prior to being added to the concrete mix.

To ensure the correct final consistence levels are achieved we recommend that a consistence level of 50mm to 70mm be obtained prior to the incorporation of MasterLife WP 799 as this will then provide the concrete with a consistence level of 130mm to 150mm. We strongly recommend that these figures be verified and modified accordingly depending on the results by performing trial mixes on the intended materials prior to supply to site. To achieve the optimum performance from the concrete, MasterLife WP 799 may also be added to concrete already incorporating products from our MasterPozzoloth, MasterPolyheed or MasterGlenium ranges.

MasterLife WP 799 is guaranteed for use within reinforced concrete structures designed to 0.3mm maximum crack width (BS EN 1992-1:2004) and has been formulated for use in concrete with a minimum cement content of 350 kg/m<sup>3</sup> and a maximum water/cement ratio of 0.45.

## Watchpoints

MasterLife WP 799 will significantly reduce the porosity of the concrete and adequate drainage is necessary to avoid water ponding on horizontal areas.

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| Product Data                 |                                                                                                                                                                                                                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance:                  | Pale yellow powder                                                                                                                                                                                                                                                                                                |
| Alkali content (%):          | ≤ 1.50 by mass                                                                                                                                                                                                                                                                                                    |
| Chloride content (%):        | ≤ 0.10 by mass                                                                                                                                                                                                                                                                                                    |
| Corrosion behaviour:         | Contains only components according to BS EN 934-1:2008, Annex A. I                                                                                                                                                                                                                                                |
| Packaging                    | MasterLife WP 799 is available in plastic buckets containing 16 x 875g bags.                                                                                                                                                                                                                                      |
| Dangerous substances:        | NPD                                                                                                                                                                                                                                                                                                               |
| Logistics                    |                                                                                                                                                                                                                                                                                                                   |
| Shelf life:                  | 12 months if stored according to manufacturer's instructions in unopened container.                                                                                                                                                                                                                               |
| Storage conditions:          | MasterLife WP 799 must be stored indoors in a dry environment. The presence of dampness and/or high humidity may cause premature breakdown of the soluble sachets. When removing individual sachets from the outer packaging, care should be given to prevent moisture being introduced to the remaining sachets. |
| Handling and transportation: | Refer to MasterLife WP 799 Safety Data Sheet                                                                                                                                                                                                                                                                      |
| Disposal:                    | Refer to MasterLife WP 799 Safety Data Sheet                                                                                                                                                                                                                                                                      |

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## DISCLAIMER

MasterLife WP 799, Master Builders Solutions UK Ltd, Version 6

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.

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**0086-CPR-469071 2797-CPR-833715**



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EN 934-2: T9

Declaration of Performance can be found at:  
[www.master-builders-solutions.com/en-gb](http://www.master-builders-solutions.com/en-gb)

### Master Builders Solutions UK Ltd

Swinton Hall Road, Swinton, Manchester, M27 4EU  
Tel: +44 (0) 161 727 6300  
[www.master-builders-solutions.com/en-gb](http://www.master-builders-solutions.com/en-gb)

