

MasterLife WP 799

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

Material Description

MasterLife WP 799 is high performance integral watertight admixture supplied in soluble bags ready for use with ready mix concrete. It combines pour blocking watertight technology combined with superplasticising in the one admixture. On the completion of correctly placed, compacted and cured concrete, it provides an integral watertight solution within the structure.

It conforms to BS 8102: 2022 Type B (Grades Ia-3).

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

Areas of Application

- Water retaining structures.
- Below ground structures.
- Lift pits.
- Concrete slabs and retaining walls.
- Swimming pools.
- Concrete subject to water pressure.
- All watertight structures need to be designed in accordance with BS EN 1992-1-1:2004+A1:2014, BS EN 1992-3:2006.
- BS 8102:2022 (Table 2 for Grades Ia to 3).
- Ready mixed concrete.
- Not suitable for site mixing.

Characteristics and Benefits

MasterLife WP 799 offers the following benefits:

- BBA certified.
- Reduces water permeability in concrete.
- Water soluble bags for easy, clean, dispensing.
- Consistent performance.
- Formulated to produce high quality watertight concrete.
- Increases durability vs normal concrete.

Dosage

The dosage rate of MasterLife WP 799 is 2 x 875g bag per 1.0m³.

Other dosages may be used or required in special cases according to specific job site conditions. In this case please consult our Technical Services Department.

Application Procedure

MasterLife WP 799 should be added to the concrete mix at the Ready-mix plant. Add the MasterLife WP 799 after at least 70% of the mixing water has been incorporated. The soluble bags easily dissolve in water; therefore there is no requirement to break or tear any of the bags 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 the MasterLife WP 799 as this will then provide a concrete with a target consistence level of 130mm to 150mm.

We strongly recommend that these figures be verified and modified accordingly. Trial mixes on the intended materials can be undertaken prior to the actual 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.

Installation temperature range to apply MasterLife WP 799 to the substrate should be a minimum of 5°C and a maximum of 35°C.

Manufacturer's warranty can be offered for MasterLife WP 799 for reinforced concrete structures designed to 0.3mm maximum crack width (BS EN 1992-3:2006) and concrete with a minimum cement content of 350Kg/m³ and a maximum water/cement ratio of 0.45.

Please consult our Technical Services Department if you have any questions.

Maintenance of Treated Surfaces

MasterLife WP 799 will significantly reduce the deterioration and staining of treated surfaces.

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Dispensing

Mixer lorries need to be free from any contaminants prior to the batching of the concrete mix containing MasterLife WP 799.

MasterLife WP 799 should be added to the mixer lorry at the recommended dose (2 bags per m³) at the batching plant according to mix design.

Contact Details

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Cleaning

Clean all equipment with water immediately after use.

Packaging

MasterLife WP 799 is available in a tub containing 16 x .875g bags.

Product Data	
Appearance:	Pale yellow powder
Alkali content (%):	≤ 1.0 by mass
Chloride content (%):	≤ 0.10 by mass
Corrosion behaviour:	Contains only components according to BS EN 934-1:2008, Annex A.1
Durability:	NPD
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 3

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.

