

MasterLife WP 799

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

DESCRIPTION

MasterLife WP 799 is a “One Bag” high performance integral waterproofing system for wet cast concrete incorporating combined waterproofing and superplasticising components. On the completion of correct placing, compaction and curing the solution provides a waterproof structure with minimum effect on the original appearance and texture.

MasterLife WP 799 is BBA certified under agrément certificate number 13/5029.

FIELDS OF APPLICATION

- Concrete subjected to water pressure
- Below ground construction
- Retaining walls
- Water retaining structures
- Concrete walls and slabs
- Basements, walls, slabs & columns designed in accordance with BS EN 1992-3:2006
- BS 8102:2009 (Table 1 for Grade 1 to 3)
- BS EN 1992-1-1:2004+A1:2014
- Precast wet or dry concrete

FEATURES AND BENEFITS

MasterLife WP 799 offers the following benefits:

- Reduced water permeability
- Reduced water penetration
- Reduced water absorption
- Reduced air permeability

DOSAGE

The dosage rate of MasterLife WP 799 is 1 x 875g bag per 0.5m³.

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 at the mixing stage. It should not be added to dry components as it will adsorb and so reduce the effect on the subsequent

properties. Add the MasterLife WP 799 after at least 70% of the mixing water has been added. The sachets are

designed to be soluble in water and do not require any breaking or tearing of the sachet prior to being added to the concrete mix. MasterLife WP 799 can also be added to the concrete on arrival at the job site.

To ensure the correct final consistence levels are achieved we recommend that a consistence level of 50 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 130 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 the actual supply to site. If MasterLife WP 799 is to be added to the concrete mixer on site, the mixer must be in good working order and a minimum mixing time of 5 minutes be applied or until such time as the concrete is homogenous. To achieve the optimum performance from the concrete, MasterLife WP 799 may also be added to concrete already incorporating products from our MasterPozzolith, MasterPol-yheed or MasterGlenium ranges.

Irrespective of the specified strength grade, the concrete specification should include a minimum cement content of 350Kg/m³ and the water/cement ratio should not exceed 0.45. The cement should comply with EN 197-1.

MAINTENANCE OF TREATED SURFACES

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

WATCHPOINTS

- MasterLife WP 799 will not directly reduce the slip resistance of the substrate, but as it significantly reduces the porosity of the treated surface, adequate drainage is necessary to avoid water ponding in horizontal areas.
- Concrete containing MasterLife WP 799 cannot be over coated with any subsequent treatment without abrasive cleaning.

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CLEANING

Clean all equipment with water immediately after use.

PACKAGING

MasterLife WP 799 is available in 875g water soluble sachets, packed 16 to a box and 500kg bags.

CONTACT DETAILS

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Product Data	
Appearance:	Light yellow powder
Uncompacted bulk density @ 20°C:	350 to 390 kg/m ³
Alkali content (%):	≤ 13.50 by mass
Chloride content (%):	≤ 0.10 by mass
Corrosion behaviour:	Contains only components according to BS EN 934-1:2008, Annex A.1
Air Content:	Fulfilled
Capillary Absorption:	Fulfilled
Compressive strength:	Fulfilled
Durability:	NPD
Dangerous substances:	NPD
Logistics	
Shelf life:	18 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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0086-CPR-469071



0073-CPR-7420



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Declaration of Performance can be found at www.master-builders-solutions.com/en-gb

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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.