

MasterCast[®] WP 793

Water resisting admixture

DESCRIPTION

MasterCast WP 793 is a high-performance integral waterproofing agent specifically engineered for the enhancement of both wet and dry cast concrete applications. When seamlessly integrated into concrete mixtures, **MasterCast WP 793** establishes a superior waterproofing barrier, effectively safeguarding structures against moisture ingress.

FIT 4 VALUE:

MasterCast WP 793 is a component to Master Builders Solutions FIT 4 VALUE concept.

FIT 4 VALUE considers the four elements essential for MCP manufactures:

1. FIT for Economics
2. FIT for Performance
3. FIT for Aesthetics
4. FIT for Durability

Here, FIT means meeting every requirement for economics, performance, aesthetics and durability.

TYPICAL APPLICATIONS

Surface:

- Decorative stone and concrete
- Drives and forecourts
- Patios and paths
- Masonry and brickwork
- Concrete walls

Integral use:

- Cast stone
- Concrete bricks, blocks, block paving
- Concrete tiles

ADVANTAGES

- Inhibits algae and moss growth
- Preserves original appearance
- Stops or reduces efflorescence
- Reduced water permeability
- Improves colour retention
- Low odour, low toxicity formula

PACKAGING

MasterCast WP 793 is available in 1000 L containers and 210 L drums.

TYPICAL PROPERTIES*

Appearance	White coloured liquid
Specific gravity @ 25°C	1.000
pH-value	6.0 - 8.0
Chloride content	"chloride free" to EN 934

APPLICATION GUIDELINES

Dosage rates will depend on the type of product, mix and degree of waterproofing required.

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The normally recommended dosage rate is:

By volume – 0.50 to 2.00 litres per 100 kg of cement (binder)

By mass – 0.50 to 2.00 kg per 100 kg of cement (binder)

Users should carry out trials with their mix to achieve the optimum dosage. Other dosages may be used in special cases according to specific job site conditions. In this case please consult our Technical Services Department.

SURFACE PREPARATION

This product should ideally be applied to new surfaces. Application is possible onto fresh semi dry concrete surfaces that are free from standing water.

It is suitable for older surfaces that have been cleaned abrasively to provide a clean fresh surface. Remove any oil or grease marks etc. Vacuum-remove all dust and loose matter etc. If the surface has been washed, allow to surface dry before application.

MIXING

Add to the mix with the mixing water. Some water reduction may be experienced. Setting times and strength development are unaffected. All cast products should be protected from rain for 24-36 hours after casting to allow the **MasterCast WP 793** to develop full waterproofing.

Products made incorporating **MasterCast WP 793** can be cured at elevated temperatures and/or humidity's, (not steam). Do not cure products in water.

MasterCast® WP 793

PLACING / APPLICATION

Stir before use. Apply **MasterCast WP 793** directly onto the surface in two coats. The second coat should be applied as soon as the first coat has surface dried. All coats must be applied in the one-day. Protect the applied surface for 24-36 hours from contamination, traffic or rain.

Application may be by brush, roller, spray, flooding or dipping. Do not use below 5°C.

MAINTENANCE OF TREATED SURFACES

MasterCast WP 793 will significantly reduce the deterioration and staining of treated surfaces, but for optimum performance in heavily trafficked areas, regular cleaning should be maintained. Power washing and/or use of scrubber/dryers is recommended.

Over-coating is not recommended unless carried out after an abrasive clean. The performance life of **MasterCast WP 793** is in excess of 10 years subject to the wear imposed on the surface to which it is applied.

CLEANING

Clean all equipment with water immediately after use.

COVERAGE / YIELD

The coverage of this product will be highly dependent on surface texture, porosity and application method. More than two coats may be required on highly textured and porous surfaces.

Typically, a spray application to concrete requires a coverage rate of 3.5m² per L per coat. (Normally two coats).

STORAGE AND SHELF LIFE

MasterCast WP 793 must be stored indoors in a place where temperature does not drop below +5°C. If product has frozen, thaw at +3°C and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature.

The shelf life is 6 months if stored in accordance with manufacturer's instructions in unopened containers.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult Master Builders Solutions Technical Services Department.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

STATEMENT OF

RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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