



The Chemical Company

# MASTERFLOW® 88UW

Non shrink, cementitious grout for underwater applications

## DESCRIPTION

**MASTERFLOW 88UW** is a ready to use cementitious grout which, on mixing with the specified quantity of water, provides a flowable grout with high resistance to cement wash-out when placed underwater, together with high early and final strength characteristics. The grout undergoes controlled expansion in the plastic state.

## RECOMMENDED FOR

**MASTERFLOW 88UW** is recommended for repairing structures underwater and in tidal zone grouting. The grout is suitable for use under both still and moving waters. Application includes repair of:

- Bridge piers
- Concrete piles
- Jetty pillars
- Harbour walls

## FEATURES AND BENEFITS

- **Shrinkage compensated**  
Continues to retain filled volume.
- **Non wash out**  
No significant cement wash out under water.  
Gains full strength even underwater.
- **Free flowing**  
Flows easily even in gaps as narrow as 20mm, to facilitate complete filling of voids.
- **Pre-packed**  
No batching or blending errors. Consistency in performance from batch to batch.
- **Dense micro structure**  
Resists water ingress. Protects steel.
- **High early and final strengths**  
Early load transfer and rapid installation.
- **High bond strength**  
Primer not required to achieve good bond.
- **Iron free**  
No deterioration of grout due to rust expansion.

## PERFORMANCE DATA

Strength characteristics (MPa)

Age (days)	Compressive	Flexural	Tensile
1	14	5.0	2.0
7	40	6.5	3.5
28	60	8.0	4.0

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

## PROPERTIES

Supply form	: powder
Colour	: cement grey
Storage temperature	: 10-35°C
Application temperature	: >10°C
Density (wet)	: 2.1-2.3 kg/L
E-Modulus	: >20 Gpa

## ESTIMATING DATA

The yield from 20 kg bag of **MASTERFLOW 88UW** mixed with 3.6L water is 11.0 L at a flowable consistency.

## APPLICATION

For information about application, please obtain a copy of the BASF "Application Guide for MASTERFLOW Underwater Grouts" from your local representative.

## CURING

No curing required if placed under water.

## CLEANING

Use hot water to clean tools and equipment before the grout hardens. Due to the water repelling properties of **MASTERFLOW 88UW**, it can be very hard to wash tools and equipment using cold water.

## PACKAGING

20 kg, multi-ply paper bags with polythene liner.

## SHELF LIFE

**MASTERFLOW 88UW** can be stored in tightly sealed original bags for 12 months, if kept dry and at even temperature.

## PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.



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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** 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 **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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