

# MasterFinish DF 880

Concrete defoamer for high quality architectural concrete

## Material Description

MasterFinish DF 880 is used to manufacture architectural quality concrete satisfying the requirement for a largely void-free concrete surface. It is particularly suitable for self-compacting (SCC) and flowing concretes.

MasterFinish DF 880 is not compatible with air entrained concretes.

## Characteristics and Benefits

MasterFinish DF 880 is a highly effective defoamer that reduces the air voids inherent in the manufacturing process of the concrete. In addition, it's affects also assist in the reduction of air voids created during placement and compaction. This significantly reduces the formation of air voids on the concrete surface.

## Application Procedure

The optimal effect is achieved when MasterFinish DF 880 is added after 70% of the mixing water, and after any other admixtures. Always avoid adding it to a dry mix. To achieve optimum performance of MasterFinish DF 880, we recommend a wet mixing time of 75 - 120 seconds depending on the efficiency and type of mixer.

## Dosage

Field trials should be conducted to determine the optimum addition rates of MasterFinish DF 880. The typical dosage rate range of MasterFinish DF 880 is:

- *By Volume* - 0.103 to 0.31 litres per 100 kg of cement (binder).
- *By Mass* - 0.10 to 0.30 kg per 100 kg of cement (binder).

The dosage rates given above are for typical usages, they are not meant as absolute limits, as other dosages may be utilised in special cases according to specific job conditions. The effectiveness of MasterFinish DF 880 is influenced by the amount added, the temperature, the type of cement, the content of fines <0,063 mm, the water content (w/c-value), the transport method etc. Trial mixes should be carried out to ensure optimum dosage and effect. Intended dosage rates in

excess of those stated above, must be verified by either production, or laboratory trials, prior to use.

## Compatibility

MasterFinish DF 880 can be used with all types of EN 197 Cements. For use with other special cements, contact our Technical Services Department.

MasterFinish DF 880 should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing MasterFinish DF 880 they must be dispensed separately, and before the MasterFinish DF 880

When complimentary admixtures are required it is important that trials are performed, prior to any supply, to determine the respective dosages of any complimentary admixture, and the suitability, in the fresh and hardened state, of the resultant concrete. In these circumstances we recommend that you consult our Technical Services Department for further advice.

MasterFinish DF 880 is compatible and recommended for use with products from our MasterPozzoloth, MasterGlenium, MasterGlenium SKY, MasterEase & MasterSure ranges. Other products from our range may be suitable but we suggest that you consult our Technical Services Department for further advice

MasterFinish DF 880 is not compatible with the MasterAir range of products.

## Packaging

MasterFinish DF 880 is supplied in 15 litre canisters & 979 litre IBC's.

## Contact Details

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)



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Product Data	
Appearance:	White liquid
Specific gravity @ 20°C:	0.97 ± 0.02 g/cm <sup>3</sup>
Raw material basis:	Derivatives of fatty acids
Logistics	
Shelf life:	12 months if stored according to manufacturer's instructions in unopened container.
Storage conditions:	Store in original sealed containers and at temperatures between 10°C and 30°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. The product settles at temperatures below 10°C but can be re-homogenized and subsequently used.
Handling and transportation:	Refer to MasterFinish DF 880 Safety Data Sheet
Disposal:	Refer to MasterFinish DF 880 Safety Data Sheet

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## Disclaimer

### MasterFinish DF 880, Master Builders Solutions UK Ltd, Version 2

#### 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.