

METHOD STATEMENT – SHORTFORM GUIDE TO SCP OPTIMISER 1000 DOSAGE INSTRUCTIONS

INTRODUCTION

With an increasing level of testing being conducted globally by Pre cast concrete manufacturers, Architectural Concrete manufacturers and Ready Mix Concrete plants, SCP International is being asked to supply sample quantities of SCP 1000 Optimiser for injection into the mix water BEFORE the addition of remaining components of the concrete batching process.

While SCP has issued a Product Data Sheet entitled “*SCP Optimiser 1000 PDS Feb 20, 2015*” this Method Statement has been designed to simplify the procedure when adding Optimiser 1000 to mix water manually for simple trials.

If you are unsure of any part of this Method Statement please contact your SCP International executive BEFORE beginning any field trial.

MAIN POINTS TO CONSIDER - IMPORTANT

1. **SCP OPTIMISER quantities in litres are calculated ONLY in relation to the weight of CEMENT in Kg per CUBIC METRE of concrete. One litre of SCP Optimiser 1000 per 155 Kg of cement is the specified ratio.**
2. **Once the amount of SCP Optimiser is calculated in LITRES – then the mix water volume has to be reduced by this amount BEFORE THE OPTIMISER IS ADDED TO THE MIX WATER. This preserves the Water/ Cement Ratio of the concrete design mix.**
3. **Add OPTIMISER to the mix water BEFORE any other components of the concrete are placed in the batching container.**
4. **Optimiser 1000 is capable of removing the need for some admixtures such as water retarders, pumping additives etc. but in all cases CHECK WITH SCP FIRST and provide full details of the component admixtures so that SCP can analyze your concrete mix designs to recommend optimum results.**

DOSAGE EXAMPLE

Example: A cubic metre of concrete may contain 450 Kg of CEMENT in the specification.

1. Taking the SCP Optimiser measured against cement as calculated in $155 \times 3 = 465$ Kg of cement or 3 litres of SCP Optimiser
2. 450 Kg is 0.967 of the above total calculated 465 Kg of cement - so the amount of SCP Optimiser is calculated as $3.0 \text{ litres} \times 0.967 = 2.9 \text{ LITRES OF OPTIMISER 1000}$
3. The amount of mix water specified by the Water/ Cement Ratio is **NOW REDUCED BY 2.9 LITRES - BEFORE THE SCP OPTIMISER IS ADDED. This maintains the exact water/cement ratio specified for the concrete.**