

CONTROL AGENTS

INTRODUCTION

Jesmonite® products have a wide variety of use scenarios, this sometimes means that our products will be required to achieve certain properties that aren't achievable in their original forms. The below guide outlines some of the control agents available and what they can do to the products to make them suitable for a wider range of applications.

Project specific advice can be obtained by emailing our technical department on support@jesmonite.co.uk.

AC100-300 RETARDER

AC Retarder is specifically designed for AC100, AC200 & AC300. It adds an extra element of time to your casting process by extending the working time of the product. By adding 2g- 10g of AC Retarder per kilogram of your mix your pot life and setting time will be marginally extended prior to setting.

AC730 RETARDER

AC730 Retarder is a specially formulated product with the ability to elongate the working time of AC730. With recommended inclusion rates of 2g – 10g per kilogram of mix, the product can marginally extend the working and setting time giving you further ability to control your working conditions.

SUPER PLASTICISER

Super Plasticiser works with our cement-based materials. These include AC630, AC730, AC830 & AC930. By adding Super Plasticiser to your mix, you will effectively lower the viscosity of these thicker products making them easier to pour and brush into moulds. It should be a staple purchase when ordering AC730 to ensure you can adjust the product to your suiting. 8g – 12g per kg of mix is a recommended addition rate.

AC100-300 THIXOTROPE

Thixotrope allows you to thicken the mix consistency of AC100, AC200 & AC300 for different styles of application. It is particularly useful when applying a thick gel coat into a higher-sided or dished mould as the thickness also eliminates some of the slumping that the standard mix encounters. Typical inclusion rates are 2g – 6g of Thixotrope per kilogram of mix, however you can add drop-by-drop until your desired consistency is achieved.

FLEXIGUARD SEALER

Flexiguard Sealer is a solvent-free, stain resistant formula specifically designed for external applications onto porous substrates such as Jesmonite AC730 and AC830. Once applied, a protective layer invisible to the human eye bonds with the inner pores of the substrate to leave a smooth, anti-stain, non-discolouring surface layer that doesn't alter the appearance of the surface in which it is applied.

PENETRATING SEALER

Penetrating Sealer is designed for use with all Jesmonite cement-based materials. This includes AC630, AC730, AC830, AC930 and Flex Metal surfaces. The material provides invisible protection against water and oil by impregnating the surface and provides stain resistance against many liquids and environmental contaminants.

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The above information and recommendations are based upon our experience and are offered merely for advice. They are offered in good faith but without guarantee, as conditions and methods of use are beyond our control. It remains the responsibility of the end user to determine the suitability of the materials for the particular purpose intended.

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