



FORMCAST

Precasting Release Agents

FORMPOL EXTRA CC90 Counter-cast Release Agent (BCA (C&CA) Category 7)

Description

This product is a special blend of resins and a solvent carrier specifically developed to be applied to the newly formed hardened concrete surface of a „concrete counter cast“ segment to ensure positive and clean release of the subsequent casting. It is important that there are no residual resin traces left on either casting surface, as this would subsequently impair the bond adhesive or grouting systems. Therefore application instructions should be followed implicitly. The **FORMPOL EXTRA CC90** lacquer system was produced to eliminate the use of extremely „low flash“ products with their inherent volatility problems in transport, storage and use (classified as highly flammable or extremely flammable).

Properties

Appearance:	Orange brown low viscosity liquid.
Specific Gravity:	0.845 @ 15°C.
Flash Point:	26°C FLAMMABLE (Pensky Martin Closed Cup).
Freezing Point:	Below -30°C
Storage Life:	Indefinite in manufacturers sealed drums.

Application Instructions

Ensure the „master mould“ casting face is clean and free of any surface blemishes. Any defects such as blowholes or aggregate arching can be filled with Fastpatch products (Fastset structural grade cements).

Thoroughly wet down the casting surface with clean water applied by sprayer. This will ensure that the newly cast „master“ concrete surface has sufficient water to correctly cure, minimise any tendency of retardation or the absorbing of any solvent and resins into the concrete pores when applying the **CC90** lacquer by airless sprayer or roller.

Once the concrete surface is completely pre-soaked and the cement „hydraulic“ action has ceased, remove any excess surface water before applying **CC90**. Apply a liberal single coating of **Formpol CC90** (approximate coverage 8 to 12 m²/litre by airless sprayer or roller) but on vertical surfaces do not over-apply, as this may cause runs. Should there be invert surfaces such as interlocking sections, box-out, etc, apply a second coating in these areas once the first coat has dried, usually in 5 to 8 minutes (dependent on ambient temperature and humidity). The immediate edges of the steel mould in contact with the segment casting face being treated should be masked and it is recommended that the steel is pre-treated with a drying type chemical release agent, e.g. Extracran XS, as this will assist in protecting the steel mould from any water residue and the solvent based **CC90**.

On completion of the treatment, clean up the surrounding area of the steel mould and re-apply Extracran XS or similar drying release agent by roller or cloth ensuring that no solvent or similar contaminants come into contact with the hardened **Formpol CC90** coating.

The coating will withstand light rain and nominal abrasive damage, only reacting when in contact with wet concrete. If the product is misapplied or spilt, remove majority of residues physically with a solvent, then apply a cement and water slurry to the area, this will react over a period of several hours to deactivate the remaining residues.

formworkdirect.co.uk
TEL:
(+44) (0)151 532 0179
EMAIL
sales@formworkdirect.co.uk



formworkdirectmalta.com
TEL:
(+356) 9947 3031
EMAIL
sales@formworkdirectmalta.com



FORMCAST

Precasting Release Agents

Finishing Procedure

Counter cast segment units are usually very lightly sandblasted to remove any weak cement latents and prepare the ends for gluing or grouting. It is important to ensure no drastic change in surface contour is caused by excessive blasting. This process will however ensure there are no slight residues of **FORMPOL EXTRA CC90** remaining on the casting end faces.

Packaging & Storage

Product is supplied in 205 and 25 litre steel drums.

FORMPOL EXTRA CC90 in manufacturers sealed drums requires no special storage facilities.

Refer to the Health and Safety information

formworkdirect.co.uk
TEL:
(+44) (0)151 532 0179
EMAIL
sales@formworkdirect.co.uk



formworkdirectmalta.com
TEL:
(+356) 9947 3031
EMAIL
sales@formworkdirectmalta.com