



Product Data Sheet

Deltacast[®] CP-723 IK

Release agent for Pressure Die Casting

DESCRIPTION

Deltacast CP-723 IK is a clean, environmentally compatible die lubricant designed to work effectively on aluminium and magnesium castings.

It has been especially developed for use in the automotive industry.

This synthetic organic polymer emulsion is free of graphite and mineral oil, reducing housekeeping problems and waste water treatment costs.

Deltacast CP-723 IK is a high performance product, suitable for use with high die temperatures on a wide range of castings.

In engine block casting, the use of **Deltacast CP-723 IK** has been shown to reduce porosity levels.

BENEFITS

- Reduced porosity levels
- High temperature wetting for reduced cycle times
- Excellent surface finish
- Cleaner dies with no build up

TYPICAL APPLICATIONS

Pressure die casting of aluminium and magnesium

PHYSICAL PROPERTIES

(as supplied)

| | | |
|------------|---|--|
| Appearance | : | creamy white fluid |
| Lubricant | : | complex organic polymer |
| Carrier | : | water |
| Diluent | : | water |
| Density | : | 989 kg/m ³ |
| pH | : | 7-9 |
| Shelf Life | : | 24 months from date of qualification under original seal |

METHOD OF USE

Deltacast CP-723 IK is a concentrate to be diluted before use.

Deltacast CP-723 IK may be diluted with between 20 - 200 parts of water to one part of product for initial evaluations.

Optimum dilution ratios will depend upon the severity of the application, temperature of the dies to be coated and the degree of cooling required.

Handling

Deltacast CP-723 IK requires no special treatment.

Dilution

Dilute by adding water to the concentrate. Mix thoroughly before use.

Disposal

Spills should be mopped up with absorbent material.

Deltacast CP-723 IK may be removed from waste water by chemical separation or biodegradation.

Detailed information regarding methods of removal and disposal may be obtained from our technical support departments.

Application

Deltacast CP-723 IK is designed for spray application.

The use of Dag[®] hand or automatic spray systems are recommended.

**STORAGE/
HANDLING**

- 24 months from date of qualification (under original seal)
- Freezing will damage the stability of the product
- Storage in direct sunlight may overheat the product and impair its quality
- Reseal containers after use to avoid contamination

HEALTH & SAFETY

Please consult Material Safety Data Sheet.

NOTES

Deltacast® and DAG® are registered trademark of Acheson Industries Inc.

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