

Chemically active and physical barrier type concrete form release agents specifically formulated for precast applications

Uses

Steel, plastic, fiberglass and HDO, PSF and CBF overlaid plywood forms in precast applications. Provides exceptional results in steam-cured precast concrete applications.

Ideal for use with problematic precast concrete mix designs incorporating high amounts of cement, fly ash, silica fume or high range water reducers.

Advantages

- Greatly minimises concrete surface voids (bugholes)
- Provides a crisp, positive release
- Enables user to easily achieve uniformly white architectural surfaces
- Fast drying
- Minimises form cleaning and maintenance costs - forms become self-cleaning with continued use
- Low viscosity allows application at very high coverage rates, reducing costs
- Non-staining
- Does not impair the natural bonding characteristics of subsequently applied paint or other concrete surface coatings
- Conlift Waterbased Precast Steel Form Release sprays easily in all temperatures
- Conlift Waterbased Precast Steel Form Release is Green Engineered™ – better for health and the environment

Description

Conlift Waterbased Precast Steel Form Release is a chemically active and physical barrier type form release agent. It chemically reacts with the alkalies in concrete to form a slippery soap film which prevents buildup on form surfaces.

Conlift Waterbased Precast Steel Form Release also forms a physical barrier that provides a crisp release for most precast applications, including steam-cured concrete with early strip schedules.

Properties

Bulk Density:	0.97 kg/l
Colour ASTM D1500:	Milky white
VOC	250 g/l
VP	<17.0 hG @ 20°C

Application Instructions

Site environmental conditions, substrate conditions and concrete mix design have a major effect on product selection, application methods, procedures and rates, appearance and performance. Product literature provides general information applicable to some conditions. However, an adequate production test application by the purchaser or installer in advance of field scale use is mandatory (irrespective of any other verbal or written representations) to verify that product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.

Form surfaces should be reasonably dry and clean prior to application.

For architectural or exposed concrete surfaces, remove all concrete buildup, rust, mill scale and existing form oil residue before application.

Conlift Waterbased Precast Steel Form Release should not be diluted. Conlift Waterbased Precast Steel Form Release in the concentrated version is shipped in a short-filled container and requires dilution by filling the container to capacity with water and mixing well. Conlift Waterbased Precast Steel Form Release should be mixed well before each use. The use of Parchem's specially designed drum agitator for mixing 208 L drums and tote agitator for mixing 1041 L totes is recommended.

Spray application is recommended using Parchem's SP3SC or Chapin Premium Sprayer. Both are equipped with the proper nozzle size to ensure uniform product distribution.

Typical application range on steel, plastic and resins coated wood forms is 62 - 75 m²/l.

Do not over apply. Excess material, runs and puddles can adversely affect performance and should be picked up promptly with rags.

Prevent material overspray from contacting reinforcing steel and/or prestressed cables.

Overspray and application equipment can be cleaned with mineral spirits.

Conlift Waterbased Precast Steel Form Release

Precautions

Do not use on aluminum, medium density overlaid plywood (MDO) or absorbent wood form surfaces.

Conlift Aluminium Conditioner is recommended for aluminum form surfaces.

Water based, chemically active form release agents are not visible on applied surfaces once dry. This is normal and does not affect release agent performance. After form stripping, a white, powdery film will be present on form surfaces. This causes no adverse effects on the form or the concrete and should not be confused with buildup.

Conlift Waterbased Precast Steel Form Release is not intended for application under freezing conditions. (Freezing temperatures have no effect on petroleum based Conlift Solvent Based Form Release.)

Protect Conlift Waterbased Precast Steel Form Release from freezing. If allowed to freeze, product packaging may rupture and the emulsion stability of this product may be affected, making it difficult to keep product mixed during application. Product which is suspected of freezing should not be used.

Verify product is within the “use by” date stated on product packaging. Do not use expired product. The use of expired product may result in poor product performance or failure.

Packaging

Packaged in 19 L & 208 L drums and 1,041 L totes.

Storage

Store in a dry location within a temperature range between 4°C and 38°C.

Shelf Life

12 months. Check “use by” date stated on packaging.

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.