

# X-Form HP

## High performance chemical release agent

### Product Description

X-Form HP is a form release agent for all types of formwork used in concrete construction where a high quality surface finish is important. It is based on a blend of surface active additives to ensure clean release from the forms.

### Advantages

- Meets LEED VOC Limits
- Formaldehyde free
- Easy to use
- Helps eliminate blow holes
- Protects steel forms from corrosion
- Can be used on steel, timber and plywood
- Non-staining
- High coverage

### Uses

- Release agent for all types of formwork
- Corrosion protection for steel formwork

### Specification Compliance

LEED NC2009 IEQ 4.2

X-Form HP is classified as a **Category 5** chemical release agent as per the UK Concrete Society technical note on formwork release agents and coatings (April 1981).

X-Form HP meets the requirements for Form Release Agents as per ACI 301 Specification for Structural Concrete.

### Laboratory Test Data

Property	Typical Results
Specific gravity	Approx 0.9 at 20C
Chloride content	Nil

### Volatile Organic Content

VOC = <70 g/L

### Coverage

30 to 40m<sup>2</sup> per liter.

### Packaging

20 and 200 liter drums.

### Shelf Life

24 months when stored below 40C under shade in a dry environment.

### Installation Guidelines

#### Application

Shake jerry can well before use to ensure a uniform consistency. X-Form HP should be sprayed onto the formwork using a knapsack spray unit at a uniform rate of between 30 to 40m<sup>2</sup> per liter depending on the porosity and texture of the mould surface. The nozzle of the spray head should be set to produce a fine, even mist. On small sections of the formwork, the product may be applied using a paint brush or roller. Avoid ponding and remove excess material with a dry cloth or sponge.

Apply X-Form HP before the first casting and between subsequent castings, preferably immediately after stripping and cleaning the mould. This should take place as close as possible to the next use of the formwork to avoid dust and airborne contaminants settling on the prepared formwork. Timber moulds will progressively improve in performance as they become impregnated with the release agent.

### Limitations

Avoid excessive application  
Avoid skin contact  
Do not discard into the water system  
Shake well before use.

### Health and Safety

**This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website [www.ncc.com.eg](http://www.ncc.com.eg).**

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### Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists (ATSS) are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit [www.ncc.com.eg](http://www.ncc.com.eg) for a full list of NCC X-Calibur ATSSs.

### Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Check the current datasheet section on [www.ncc.com.eg](http://www.ncc.com.eg) to ensure you have the latest version.

### Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Systems Inc. **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** NCC X-Calibur Construction Systems Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.