

GUIDE TO FORM RELEASES

Objective of a form release:

- To break the bond between the form & the concrete
- Not add, nor subtract, anything from the concrete
- Prolong the life of the forms by reducing the required cleaning

Reduces the surface tension at the form interface, allowing air to migrate upward helping to reduce the bug holes

3 basic types of release:

- **Reactive Release** ... use fatty acids that produce a chemical reaction when in contact with alkali (concrete) that produces a soap like residue.
- **Buffered Release** ... not as chemically reactive & more 'forgiving' if over applied
- **Barrier Release** ... no fatty acids, no reaction, no 'soap'

Dayton Superior Form Releases

Reactive:

Clean Strip (J-1-A), Clean Strip Ultra Light (J-3 Light)

Buffered:

Magic Kote, Magic Kote VOC, Liner Coat (J-4 LC)

Barrier:

Bio-Release EF, Econo Strip (J-1 EF)

- Before application, forms need to be dry, clean and free of rust. Rust and dirt will transfer to the concrete surface.
- Dayton Superior recommends treating new regular plywood with a lime water solution prior to its first use in forming. This solution will neutralize the naturally occurring wood sugars in the plywood.
 - The application rate should be in accord with the manufacturers printed literature
- Apply form releases only during dry weather.
- Apply with low pressure spray using a wide angle, low flow, fan-type spray nozzle. Do not use a spray nozzle designed for curing compounds, it will over apply the material.
- All NEW wood forms require a heavy application of form release prior to their first use. This application should be heavy enough to saturate the wood. Multiple coats of form release are often necessary to accomplish this saturation, with at least 5 to 6 hours between coats.
- On smooth, dense forms, i.e., steel or aluminum, the best performance will be achieved by spraying the form release followed by wiping down the forms with a clean soft cloth.
- Do not over apply. Over application can result in surface dusting and the formation of bug holes.
- Do not apply Dayton Superior form releases to polystyrene forms.

Refer to www.daytonsuperior.com for latest Technical Data Sheet and MSDS
1125 Byers Road, Miamisburg OH 45342
Customer Service: (888) 977-9600
Technical Assistance: (866) 329-8724