

AQUAFORM-230 WATER-BASED CONCRETE FORM RELEASE AGENT

An environmentally friendly version of the company's heritage release agent, AQUAFORM-230 is comprised of neutralized vegetable oils in mineral oil that contains no waxes, silicones, or carcinogens; it's also solventless and non-toxic. Concepts of its art are established on last novel principles in production and developments of contemporary form Release Agents e.g. Green and most environment friendly composition to be made, provide long life and extensive reuse of frameworks, to remain hard, non-powdery, stain-free concrete surface with a minimum number of defects, permit clean release of formwork from the hardened concrete during stripping and Cost cuts in purchase and usage of them.

FIELD OF APPLICATION

AQUAFORM-230 in general is formulated to be used for all case of wooden, plastic and metallic forms, etc.

CHARACTERSTICS / ADVANTAGES

- Low Volatile Organic Compound (V.O.C.) content.
- Equally effective on all types of forming materials and form liners including elastomeric, PVC, and EPS
- Allows for fast and easy stripping of formwork
- Highly stable during placement and vibration of concrete
- Does not stain or contaminate the finished concrete surface
- Suitable for high detail forms and architectural concrete finishes
- Increased corrosion resistance to steel surfaces
- Extends the life of forms and inhibits oxidation of metal forms
- Reduces labor cost of stripping and cleaning forms and equipment
- Compatible with both type of static and slip-forming

SUBSTRATE PREPARATION

All surfaces to be coated with AQUAFORM-230 must be clean and free from grease, dirt and old concrete.

COVERAGE

AQUAFORM-230 should be applied at the following stated coverage rates to obtain a thin and even film over the entire surface of the form or formwork:

- Timber Formwork ~ 1 L per 10 – 15 m²
- Metal Formwork ~ 1 L per 20 – 25 m²



APPLICATION

Surface Preparation: Forms must be clean and free of any dust, dirt, laitance, hardened concrete or residue that might discolor new concrete.

Application: Apply AQUAFORM-230 with a brush, roller, or pressurized sprayer. Wipe off excess and drips with a clean, soft rag. Wait a minimum of 60 minutes before pouring Concrete.

New Wood Forms: Apply initial coat of AQUAFORM-230 at a rate of above recommended and do not wipe. Allow release agent to absorb into wood surface. For extremely porous forms a second saturation coat may be necessary prior to first use. Allow forms to dry, then recoat and wipe excess as stated above.

Cleanup

Clean tools and equipment used to apply AQUAFORM-230 with detergent and warm water.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Color: White

Solubility in Water: totally miscible

Specific gravity of fresh mortar: $0.98 \pm 0.02 \text{ g/cm}^3$

Stability: No Case of differentiation in phases

STORAGE

Shelf life: 1 year in the original package

Storage condition: should be protected from direct sunlight and moisture. Keep Gallons in the temperature range between $+10^\circ\text{C}$ and $+30^\circ\text{C}$.

Higher temperatures could disrupt the stability of primary emulsion and would be needed to be premixed when using.

Packing: 20 lit Gallons

HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (available on request) containing physical, ecological, toxicological and other safety-related data.

TECHNICAL SERVICE

The ABADGARAN INTERNATIONAL GROUP Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.



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Chemicals Producers
Membership



Iranian
Tunneling
Association
Membership



Iran Standard's Mark
Holders Association
Membership



ISO 9001:2008
TÜV NORD Iran PJS



National Accreditation
Center of Iran
ISO / IEC 17025



Iranian Concrete
Institute
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Ministry of Industry,
Mine and Trade
R & D Certificate