



NanoForm O

Oil based, low VOC, concrete form release agent

Description	NanoForm O is a concrete form release agent with exceptional performance and ease of use that is unmatched by water based form release products. It is a specially formulated synthetic based mould oil, having release properties which are superior to those of a conventional mould oil. NanoForm O is supplied as a clear liquid ready for direct application. In addition to preventing adhesion of the cement matrix to the form work, NanoForm O allows air, which would otherwise be trapped, to escape from the surface during placing and vibration. This air release property minimizes surface blemishes and results in a substantial reduction in remedial costs.
Primary applications	NanoForm O can be used on steel, timber, plywood and plastic form work
Advantages	<ul style="list-style-type: none"> • Forms release easily and cleanly from concrete • No staining • Dramatically reduces the occurrence of voids and bug holes • Tolerant to freezing conditions during storage and transportation • Treated forms are ready for use quickly easy storage and shipping • Very low odor • Ready to use
Specifications	Corp of Engineers CE 1401.01 (17.4) & CW 03101 (5.3) GSA CE 204 (3-03-K) ACI 347-68.
Packaging	200 Ltr Drums.
Storage	Store in a dry and cool place below 35°C. Protect from direct sunlight.
Shelf life	12 months if stored properly in original unopened packaging.
Properties	Appearance: White liquid Specific gravity: 0.9 ± 0.01 at 20°C.
Instruction for use	<p>Mould preparation: All moulds, new or used, must be cleaned of surface deposits of rust, concrete, oil or other materials. Inadequate cleaning may lead to surface blemishes due to the adhering material. The use of a proprietary chemical degreaser or acid cleaning is recommended.</p> <p>Application: If only limited use of the form work is envisaged, new timber moulds may be coated directly with blended NanoForm O solution. If forms are regularly re-used the surface should initially be coated with a suitable polyurethane sealer. This provides increased protection to the timber surface, improves ease of cleaning and prevents the buildup of large residual levels of release agent in the timber of the form which may lead, over time, to increased surface dusting or retardation. Blended NanoForm O can be applied by all normal methods, including brush, sponge and conventional spray. Where suitable, spray application is recommended. Non-absorbent surfaces require a single application. New, unsealed, timber surfaces should be re-coated if delay in use of the mould leads to absorption of the release agent into the timber.</p>
Coverage	Depending on the porosity and texture of the mould surface, typical coverage rates of 20 to 60 m ² /liter will be obtainable from NanoForm O. Best results will be obtained with the thinnest practical coating. Over application should be avoided. Excessive application on flat surfaces or which leads to pooling of release agent in the corners of forms is uneconomic and can lead to surface dusting or, in worst cases, surface retardation.
Cleaning & Disposal	NanoForm O may be removed from tools and equipment with diesel when it is wet. On drying may be removed with NanoSolvent. Don't dispose of into water or soil but according to local regulations.
Precautions/Limitations	After application of NanoForm O, the treated area must be protected from rain before the concrete placed.
Health & safety	Possible risk of irreversible effects in contact with skin. Wear suitable protective clothing, gloves and eye / face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately- do not induce vomiting.