

## Armix Form FR9

(Formerly known as MYK Form FR9)

Oil Based Mould Release Agent



### TECHNICAL DATA SHEET

#### Product Description

Armix Form FR9 is specially formulated blend of mineral oils and chemicals having release properties which are superior to those of conventional mould oil. The chemicals react with the alkali in the concrete to form a thin water repellent skin on the surface of the mould, thereby enabling easy stripping from concrete and acting as a protection to steel and wooden formwork. Armix Form FR9 is supplied as a pale straw colored liquid ready for direct application and use.

#### Uses

To provide quick, clean and easy stripping of moulds, and formwork and ensure high quality fair-faced and stain-free concrete.

#### Features and Benefits

- Ensures easy release, good fair-faced concrete
- Can be used on all types of formwork
- Minimizes cleaning of shutters before re-use
- Reduces opportunity of damage to formwork, extending usable life.

#### Application Method

Preparation of new moulds .No preparation is necessary, but if extensive reuse of timber mould is envisaged, it is advisable to protect all new surfaces with Armix Form FR9.

Armix Form FR9 protects timber from alkali attack which can result in a very short usable life. For used moulds, all traces of cement must be removed together with any surface deposit of previous oils.

#### Coating:

Armix Form FR9 can be applied by brush, sponge or conventional mould oil-sprayer. If a mould oil-sprayer is used, care should be taken to ensure that the correct nozzle size is chosen. Stir the contents of the container thoroughly before use. Apply one coat of Armix Form FR9 thinly and evenly over the entire surface. Only the thinnest coating necessary to achieve effective coverage should be applied. Excess application is uneconomical and may lead to surface dusting. Wipe or brush off any particles that may remain on the surface and apply one coat of Armix Form FR9 as previously. If it is required to remove Armix form FR9 completely, a strong industrial detergent should be applied together with stiff brushing and then thoroughly rinsed with clean water.



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#### Technical Data

Specific gravity: approx. 0.84 at 27°C .

Service temperature: Suitable for use with steam cured concrete. Formwork surfaces: Equally effective on wood or metal moulds and shutters. Particularly effective on GRP and other resinous coatings including Armix Form FR9 coated wooden surfaces.

Non-staining: Does not stain concrete and can also be used safely with white cement.

Concrete surface quality: In addition to preventing adhesion of the cement paste to the mould or shutter face, Armix Form FR9 allows air, which would otherwise be trapped, to escape from the face when the concrete is being poured and vibrated. Pockets of air, trapped on the shuttered faces of concrete, are a major cause of imperfections, necessitating remedial work. Armix Form FR9 avoids time and money spent on this. The chemical reaction between Armix Form FR9 and the cement in a concrete mix produces a strongly hydrophobic surface. This repels surplus water at the interface with the mould and by protecting the concrete from its effects, preserves uniformity of surface texture and colour.

#### Re-Use Of Moulds:

Due to excellent release properties, little or no deposit of cement paste remains on the shutter surface. Minimum cleaning down and further coat of Armix Form FR9 renders shutters ready for reuse.

#### Economic Benefits:

On account of the high rate of coverage, the applied cost of Armix Form FR9 chemical mould release agent compares favourably with that of conventional mould oil. Having regard to the technical benefits additionally obtained, the overall economy of using Armix Form FR9 can be significant.

#### Consumption

Coverage between 20 to 60 m<sup>2</sup> per liter is possible depending upon the porosity and texture of mould surface.

#### Packaging

Armix Form FR9 is supplied in 200 liter drums & 20 liter containers.

#### Storage and Shelf Life

12 months if stored in cool dry place and under shaded area. It must be stirred thoroughly before use.



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#### Health & Safety

Gloves should be worn when handling Armix Form FR9. Splashes on the skin should be removed with soap and water. Contact with eyes must be avoided and accidental contamination should be washed thoroughly with plenty of water and medical treatment sought immediately. Good ventilation should be ensured and smoking during use is prohibited.

#### Fire:

As the product is flammable, Ensure adequate ventilation. Using Armix Form FR9 near naked flame or smoking during use should be avoided.

#### Product Categories Available



#### Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. the user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. the proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.