

Armix Form FR3

Vegetable Oil Emulsion Based Form Release Agent



TECHNICAL DATA SHEET

Product Description

Armix Form FR3 is a vegetable oil emulsion based form release agent for horizontal and vertical applications. Armix Form FR3 has been specially formulated to reduce, or eliminate, surface imperfections in concrete and to give easy and complete release of concrete when applied to most types of forms or form liners.

Uses

- Armix Form FR3 can be applied to all types of formwork including metal, polyester and plywood. It can be used in jobsite and precast applications up to 40°C. Armix Form FR3 can also be used in white or coloured concrete applications.

Features and Benefits

- Reduces the adhesion between concrete and moulds, resulting in minimum cleaning.
- Improves concrete surface by reducing, or eliminating, surface voids and defects.
- Extends the life of the formwork.
- Provides no discoloration on the concrete surface.
- Reduces health and environmental risks by using biodegradable oil.

Application Methodology

Armix Form FR3 should be mixed mechanically before being used. Prior to application, moulds should be thoroughly cleaned. Remove any surplus concrete remains, wood, iron pieces, snow and ice etc. Armix Form FR3 may be applied by either spray or roller on any type of forms. It should be applied on the mould as homogeneous thin film in order to achieve the best results. The spraying should be done at a suitable distance from the mould (approx. 50 –100 cm) so that the release agent is evenly distributed in a uniform film thickness. During spraying, it is critical that the spraying pressure is adequately high (2 - 4 bars) and that the gun, especially the nozzle, is completely tight in order to avoid dripping.

Watch points

Armix Form FR3 should not be applied at temperatures below 0°C or during heavy rain. After being applied to the mould, the water in the release agent evaporates after approximately 5 to 10 minutes, depending on the air temperature and ambient humidity.

Compatibility

Armix Form FR3 can be used on all types of forms except forms of non oil-resistant rubber or polymers.

Armix Form FR3 must not be mixed with other products.

Technical Data

Appearance	:	Milky white liquid
Specific gravity @ 20°C	:	0.94 ± 0.01 g/cm ³
pH-value	:	8.0 ± 1

Consumption

Armix Form FR3 depends upon the application method and mould system. If applied uniformly by a sprayer, at a constant pressure of 4 bars on metallic or on impervious material, the coverage rate is up to 50 m²/litre. If applied by roller/brush, the coverage rate approximately 25 m²/litre.

Packaging

Armix Form FR3 is supplied in 210 litre drums & 20 litre containers.

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Storage and Shelf Life

Armix Form FR3 must be stored where temperatures do not drop below +5°C. Store under cover, out of direct sunlight and protect from extremes of temperature.

Shelf life is 12 months when stored as above.

Health & Safety

For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

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.

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