

Armix Form FR2

(Formerly known as MYK Form FR2)

Ready to use & Concentrated Mould Release Agent



TECHNICAL DATA SHEET

Product Description

Armix Form FR2 is formulated mixture of mineral oils and special chemicals additives which helps in easy release of form work and provides an excellent finish to the concrete. Armix Form FR2 is concentrated product and need to be diluted with water at site at the ratio of 1:4.

Uses

For clean, easy and stain free release of concrete moulds and for extended life of form work.

Features and Benefits

- Non-Staining
- Ensures easy realise
- Extended life of form work
- Does not corrode steel
- Minimizes cleaning of shutters before re-use
- Easy bond breaking
- Easy stripping of form
- Smooth stain free concrete
- Can safely be used on tools etc

Application Methodology

Surface preparation:

No preparation is necessary, but if extensive reuse of timber moulds it has to be coated with Armix Form FR2. The used moulds all traces of cement, dust has to be removed together with any surface deposit of previous oils

Application:

Armix Form FR2 is concentrated product and need to be diluted with water at site at the ratio of 1:4 by weight before application.

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TECHNICAL DATA SHEET

Technical Data

Appearance	Emulsion
Sp gravity at 30°C temp	0.90 - 1.0 Gm/cc
Form work Surface	Metal Iron / ply wood

Consumption

Armix Form FR2 covers an area of 75 Sq mtrs per Kg

The consumption is dependent on the surface texture and porosity of the formwork. Actual dosage to be finalized on the basis of site trails.

Notes on Application / Limitations

The moulds should be dry and clean. Any residues of rust and concrete must be removed. Armix Form FR2 is applied in thin layers; covering the complete surface (a second application may be necessary in case of highly absorbent formwork). We recommend the use of a special spray gun with an operating pressure of 3-6 bars and a flat spraying nozzle (01 F 110 i.e 652.307 or 652.245). Application by a brush or cloth is also possible. Accumulations of Armix Form FR2 should be avoided. Any excess should be wiped off using a cloth or sponge. After application the concrete can be placed immediately without any waiting time. Before concreting preliminary test are recommended to optimize the procedure for each project.

Packaging

Armix Form FR2 is supplied in 1, 5, 20 and 210 Lit

Storage and Shelf Life

12 Months from the date of manufacturing if stored in cool dry place under shaded area and if unopened sealed pack condition

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.

Armix Form FR22

Oil based, Ready to use, Form release agent



TECHNICAL DATA SHEET

Product Description

Chemical release agent suitable for mould and shutter faces prior to casting concrete in order to achieve a clean release. After removal of the formwork, the resultant concrete has a smooth hard uniform finish, with reduced incidence of blow holes. Armix Form FR22 can be applied to the formwork by spray in the form of a light uniform mist coating.

Uses

- Prestressed, precast, and pipe plants.
- RCC structures.
- Armix Form FR22 is well suited for shutter faces made from wood, steel, fibre glass, aluminium & paper.
- Armix Form FR22 has excellent release properties to treated surfaces. Concrete cast against surfaces coated with Armix Form FR22 exhibit a smooth, hard, uniform finish.
- Armix Form FR22 has no negative effect on the properties of concrete nor will it impair the adhesion of subsequent surface treatments when applied at the recommended coverage rates.

Features and Benefits

- Water-resistant chemical barrier – Ensures fast, clean stripping of forms.
- No residue transfer – Stain-free & less voids.
- Does not harm concrete – compatible.
- Alkali resistant – protects aluminium forms.
- Safe for wood fibres – extends service life.
- Ready to use.
- Placement up to 1 weeks before concrete.
- Rapid drying – immediate placement.

Application Methodology

Apply before the first casting and thereafter re-apply immediately after stripping and cleaning the mould.

Lightweight horticultural sprayers (knapsack type) are ideal as Armix Form FR22 is finely atomised to give a uniform coating.

Excessive application should be avoided. Alternatively, application may be made by a fine haired brush, only a very thin coating should be made and any excess removed.

If after the first application, the Armix Form FR22 is completely absorbed into new timber or plywood, a further application should be made before filling the moulds or formwork.

Coat forms liberally before storing to keep rust free. To return forms to service, sweep down and recoat with Armix Form FR22.

Equipment care

Armix Form FR22 may usually be left in spray guns or sprayers without detriment, but with certain types, there may be some softening of rubber seals with prolonged contact

Armix Form FR22

Oil based, Ready to use, Form release agent



Technical Data

Aspect	:	Fluorescent Colour liquid
Relative density	:	0.85 ± 0.02 gm/cm ³ at 25°C
Flash point	:	>101°C

The Form-release agent shall be Armix Form FR22, a chemical release agent in solvent carrier.

The product shall be in ready to use form, quick-drying type and shall be based on selective blend of chemically active release agents in low viscosity hydrocarbon carrier. The product shall have viscosity less than 0.85 and shall be free of chlorides.

Consumption

The coverage rate for Armix Form FR22 is 30 to 70m²/litre when spray applied depending on smoothness and porosity of the formwork used. If applied by roller/brush, the coverage rate approximately 40 to 60 m²/litre

Progressively better results are obtained on plywood and timber moulds as they become impregnated and the operatives become accustomed to working with the release agent. Armix Form FR22 in general, may be used over timber moulds etc which has been treated with other mould oils, provided excess has been removed.

Packaging

Armix Form FR22 is supplied in 210 litre drums & 20 litre containers.

Legal Note

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Storage and Shelf Life

Armix Form FR22 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.

Product Categories Available



Health & Safety

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet.

Armix Form FR1

(Formerly known as MYK Form FR1)

Ready to use Mould Release Agent



TECHNICAL DATA SHEET

Product Description

Armix Form FR1 is formulated mixture of mineral oils and special chemicals additives which helps in easy release of form work and provides an excellent finish to the concrete. Armix Form FR1 is ready to use product and should be applied in a thin layer to the inner face of the mould or form work prior to casting of concrete.

Uses

For clean, easy and stain free release of concrete moulds and for extended life of form work.

Features and Benefits

- Non-Staining
- Ensures easy realize
- Extended life of form work
- Does not corrode steel
- Minimizes cleaning of shutters before re-use
- Easy bond breaking
- Easy stripping of form
- Smooth stain free concrete
- Can safely be used on tools etc

Application Methodology

Surface preparation:

No preparation is necessary, but if extensive reuse of timber moulds it has to be coated with Armix Form FR1. The used moulds all traces of cement, dust has to be removed together with any surface deposit of previous oils

Application:

Armix Form FR1 is supplied ready for use, no thinning is necessary. Apply one coat of Armix Form FR1 evenly over the entire area by brush spray, or conventional mould oil sprayer. Excess application is uneconomical and may lead to surface dusting. If required remove the excess content by using strong detergent with stiff brushing followed by thorough cleaning with clean water.

Armix Form FR1

(Formerly known as MYK Form FR1)

Ready to use Mould Release Agent



TECHNICAL DATA SHEET

Technical Data

Appearance	Emulsion
Sp gravity at 30°C temp	0.90 - 1.0 Gm/cc
Formwork Surface	Metal Iron / plywood

Consumption

Armix Form FR1 covers an area of 15 Sq mtrs per kg. The consumption is dependent on the surface texture and porosity of the formwork. Actual dosage to be finalized on the basis of site trials.

Notes on Application / Limitations

The moulds should be dry and clean. Any residues of rust and concrete must be removed. Armix Form FR1 is applied in thin layers; covering the complete surface (a second application may be necessary in case of highly absorbent formwork). We recommend the use of a special spray gun with an operating pressure of 3-6 bar and a flat spraying nozzle (01 F 110 i.e 652.307 or 652.245). Application by a brush or cloth is also possible. Accumulations of Armix Form FR1 should be avoided. Any excess should be wiped off using a cloth or sponge. After application the concrete can be placed immediately without any waiting time. Before concreting preliminary test are recommended to optimize the procedure for each project.

Packaging

Armix Form FR1 is supplied in 5, 20 & 200 Lit

Storage and Shelf Life

12 Months from the date of manufacturing if stored in cool dry place under shaded area and if unopened sealed pack condition.

Product Categories Available



Legal Note

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