

Asian

Laboratories

GRAMS: ASIANLAB
PHONE: 636063, 638093

88, NEW OKHLA INDUSTRIAL COMPLEX, PHASE II, NEW DELHI-110020

ASIAN - MRA

PRODUCT INFORMATION



READY-TO-USE CHEMICAL MOULD RELEASE AGENT

PRODUCT :

- (i) **Appearance** : Free flowing clear light-brown liquid.
- (ii) **Density** : 0.83 ± 0.02 .
- (iii) **Flash Point** : Above 65°C .
- (iv) **Temperature effect** : Suitable for application in tropical areas and for use with steam cured concrete.
- (v) **Performance** : Highly effective in releasing form work, does not stain concrete, improves surface finish and can be used with white cement.
- (vi) **Storage life** : At least one year. The sealed barrels should be stored in the shade because the barrels kept near fire or in the blazing sun develops pressure inside the barrels.
- (vii) **Handling** : Being solvent - containing material, it should be handled with gloves. Any splashes on the skin should be washed with soap and water.
- (viii) **Coverage** : 20 to 60 m^2 per litre. The coverage largely depends on the way of handling, porosity and texture of the form-work of the mould surfaces.
- (xi) **Packing** : 200 Lit steel barrels.

ASIAN-MAR is a ready-to-use chemically blended high-grade refined mineral oil product which has great releasing effect on the hardened concrete-surfaces and is superior in performance than a conventional mould oil.

The chemical reaction of the ingredients with concrete produces thin micro-molecular film over the mould shuttering which acts as a protective film over the steel as well as wooden formwork and helps in easy stripping of the form work. ASIAN-MRA, once sets and hardens, does not have flammability risk.

ADVANTAGES :

- * **Excellent release performance.**
- * **Provides improved surface finish with effective non-staining, clean concrete surface.**
- * **Minimises air-pockets and entrapped air on the concrete surface.**
- * **Suitable for all types of form work, steel moulds and even for absorbent shutterings.**
- * **Can be used in precast and steam curing work.**
- * **Thin fluid consistency allows even application and minimises adhesion of released film, thereby cleaning effort is much less for reuse of form work.**
- * **Highly economical in comparison to gains attained.**

APPLICATION :

ASIAN-MRA is a ready-to-use thin liquid suitable for smooth, non absorbent form—work such as steel, plastic, wood or modified wood, glass fibre etc. The product gives best performance when applied on the shuttering uniformly in as thin a coat as possible by means of a pump, sponge, cloth or brush. For excellent results, it is sprayed on with any conventional mould oil sprayer with correct nozzle tip.

ASIAN-MRA must not be applied on wet-surfaces as it leaves voids with detrimental effect on the surface when the shutterings are removed. The product, once applied and dried, acts as a protective coat and there is no harmful effect over it due to strong pelting rain, water or moisture. Also, the shutterings treated with ASIAN-MRA and left exposed for some time have no harmful effect in case, some portion is damaged or too much soiled and mechanically removed, it should be re-done by brushing off or wiping out the adhered particles and re-coating the damaged part of the surface with ASIAN-MRA. In situations, where ASIAN-MRA is to be removed completely for the application of ASIAN-PCP polyurethane Protective Coat Paint, a strong synthetic detergent SUPER BRIGHT-10 should be used with hard brushing and surfaces rinsed with clean water.

ECONOMY :

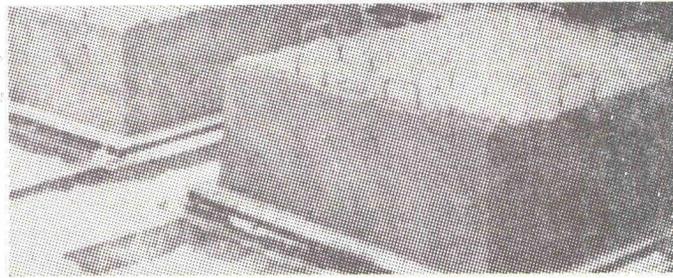
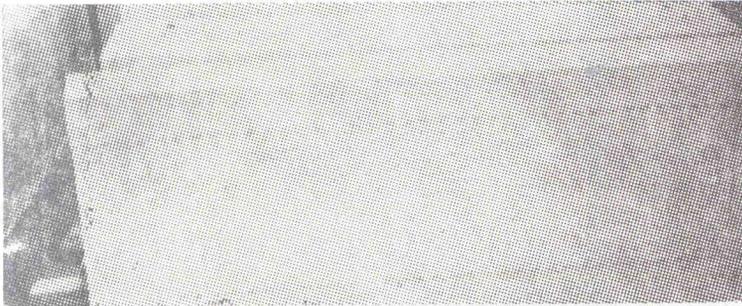
Cost of ASIAN-MRA is comparatively low when compared with the conventional mould release oil due to its high rate of coverage, less time required in cleaning and re-using of moulds/shutterings, prolongment of their life for longer and greater re-use. The over all economy achieved, besides a number of technical benefits, is significantly high.

TECHNICAL SERVICE :

Technical Advisory Service is maintained to assist in carrying out field evaluation tests and on spot advice on the utilisation of the product correctly and usefully with economical benefits.

OUR RANGE OF PRODUCTS :

Concrete & mortar admixtures including super-plasticizers, water Reducing Agent Accelerators, Retarders, Air-entraining Agents, Sealing & Waterproofing Compounds, Non-Shrinking Grouting Agents, Grouting Compounds, Bonding Agents, Finishing Products; Mould Coating & Release Agents, Surface Retarders, Concrete Hardners & Dust-proofers, and several others.



For Producing High Visual Impact Concrete Surfaces

These are unretouched photos. They show how important a good release agent can be in producing attractive concrete. You can achieve surfaces equal to the best example seen here using ASIAN-MRA Form Release Agents.

PRICE, PERIOD OF DELIVERY AND TERMS OF BUSINESS ON REQUEST.

N. B. — This information is given in good faith, is based on results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control.

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88, New Okhla Industrial Complex, Phase-II, New Delhi-110020., (INDIA)