LYKSOR® 7000

Water-Based Mould Release Agent

Product Definition

LYKSOR 7000 is a water-based mould release agent preventing the adhesion of hardened concrete on the mould surface.

Use

LYKSOR 7000 is recommended for use in the applications and purposes below.

- Concreting applications requires very smooth surface.
- To speed up the demoulding workmanship.
- High surface area or complicated moulds where oiling with roller or brush is not economical and practical.
- In absorbent or non-absorbent moulds.

Advantages and Properties

- LYKSOR 7000 ensures easy removing of moulds without damaging the hardened concrete surface.
- Helps to obtain smooth surface.
- Can be used in steam curing applications not exceeding + 70 ^{o}C.
- Easy to apply, low consumption rate.
- Does not contain any substance that may be detrimental on the appearance and colour of the surface.
- Makes easier the demoulding operations and reduces the cost.
- Excellent adhesion to the surface of the vertical moulds.
- Prevents the entrapping of air bubbles between the fresh concrete and the mould surface during vibration.
- Does not contain flammable vapor.
- Does not contain any compounds that may cause corrosion of reinforcing steel.

Application Details, Suggestions and Warnings

- LYKSOR 7000 is a ready to use product. It should not be diluted.
- It is used by spraying. Spraying pressure between 3 – 6 bar is enough for an effective spraying. After spraying LYKSOR 7000, small white drops are adsorbed on the surface of the mould and then a lubricating film forming a thin layer is formed with self-flowing of the drops.
- LYKSOR 7000 should be homogeneously mixed before use. No need to keep mixing during application. Evaporation should be controlled after spraying.
- LYKSOR 7000, and similar mould release agents, should be avoided to contact with steel reinforcement. Concrete – steel bonding will not be ensured in contacted regions.
- Excessive usage should be avoided. Excessive usage may cause spotting or oil traces on the surface of the hardened concrete.
- The mould surfaces should be dry and free from dust and dirt before LYKSOR 7000 application.
- The ambient temperature should be between +5 and + 50 ^{o}C during the application.

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Recommended Dosage

The typical consumption rate of LYKSOR 7000 depends on the absorbency level of the mould. Generally, a surface of 70 m^2 can be oiled by 1 liter LYKSOR 7000 in non-absorbent moulds (steel or plastic moulds). The consumption rate in absorbent moulds should be determined by trials.

Technical Properties

Colour and form	White - liquid
Chemical base	Refined mineral oil emulsion
Density (kg/lt)	0.93 – 0.97 (at +20 ºC)
Viscosity (cP)	30 – 35 (at +20 ºC)
Freezing point	< -10 ºC

Cleaning of Tools

Concreting tools contact with LYKSOR 7000 can be easily cleaned with water.

Packaging

25 kg drum
1000 kg IBC

Storage and Shelf Life

Shelf life of LYKSOR 7000 is 24 months when stored in its original package and recommended storage conditions. LYKSOR 7000 should be stored in dry conditions between +5 ºC and +35 ºC. It should be protected from direct sunlight.

Security and Health

In case of contact with skin, wash with clean water. In case of contact with eye, wash with clean water. Eye contact should be medically consulted immediately. For further information please refer to Material Safety Data Sheet (MSDS) of the product.

Legal Liability

The technical recommendations in this product data sheet are based on the experimental studies performed on reference concrete mixtures designed in the R&D laboratories of Kalekim LYKSOR. The results may not be applicable to different concrete mixtures produced with different materials than the ones used in the experiments in Kalekim Lyksor. All customers and users are required to determine the appropriate Kalekim LYKSOR products for their intended use and to test the suitability of Kalekim LYKSOR product for their application. Please contact Kalekim LYKSOR for the appropriate product selection and usage details. Kalekim LYKSOR is not responsible for the improper usage of the products.

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