

SHUTTAWAX

Formwork sealer and protective coating BCA (C&A) Category 7

DESCRIPTION

SHUTTAWAX is specifically developed for the initial sealing of various formwork surfaces to standardize absorption and prolong useable form life. Based on crystalline waxes and with a fugitive dye, which will not stain permanently, this thixotropic material when worked into a surface takes on a smooth, thin, paste consistency.

Its economy of use, speed of application and compatibility with most types of release agent make it the ideal preservation sealer. It is not in itself a release agent, as it contains no active release ingredients, but will work on the basis of a physical barrier release.

ADVANTAGES

- Ready to use, single coat application.
- Less costly than paint treatments in both material and labour.
- Can be applied to new or old, damp or dry, formwork surfaces.
- Prevents veneer damage, furring, cracking or separation.
- Reduces the possibility of porosity variation, woodsugar migration and subsequent hydration staining.
- Standardises absorbency differences between dissimilar plywoods, hardwoods, wood chippings, etc., which could cause noticeable colour variation in concrete surface finishes.
- Forms ready to use within an hour.
- Has no deleterious effect on concrete surfaces.
- Waterproofs and protects formwork. Relatively non-flammable.

PROPERTIES

Appearance:	Pale red wax paste
Specific Gravity:	0.915 @ 20°C
Flash Point:	170°C (Pensky Martin Closed Cup)
Minimum Application Temperature:	3°C
Storage Life:	Indefinite in manufacturer's sealed kegs

COVERAGE

10m²/litre dependent on type of formwork, it's absorbency and profile.

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APPLICATION

Timber and Wood Chipboard Forms

Remove any surface water and dirt. Apply **SHUTTAWAX** by means of clean rag, minute mop, brush or squeegee. Work paste into the surface well. Absorption will take place within an hour and in any areas of excessive absorption apply more material, removing any excess surface wax before use. On sawn board finish or ribbed formwork remove surplus material with a stiff brush. On ribbed timber forms ensure the plywood backing sheet is initially sealed with **SHUTTAWAX** before ribs are fixed in position and reseal the whole form once assembled. This will help prevent the movement of cement lye and water under the rib sections and subsequent 'pulling' on form removal. Always use a release agent.

Overlaid and Impregnated Plywoods

Although these materials are already sealed, during use they can be damaged or deteriorate, particularly the paper overlay products. Retreating them with **SHUTTAWAX** will considerably increase their useful life.

Metal Forms

The formation of oxidation and mill-scale on metal formwork which can cause build up, staining and scabbing, can be greatly reduced by pre-treatment with **SHUTTAWAX**. Any subsequent recurrence of these faults can be remedied by re-application, even in localised areas.

Concrete Moulds

The production of moulds made in concrete for battery casting schemes, piling production, etc., is well established and calls for well designed dense concrete but the surface, no matter how well finished (screeded or power floated), will still be porous and have small surface blowholes. The master mould once fully cured should then be treated with **SHUTTAWAX** as follows:

Brush apply a liberal coating; allow to soak in for several hours; re-apply a second coating by applicator, rubbing well into surface; ensure absorbent areas are fully sealed and remove any excess material, there should be no surface residue. The master mould is now ready to apply a good quality release agent, we recommend Teknicon Chemical Release Agents. Subsequent casts against the master mould will show a continuing improvement in release properties, however should concrete finishes eventually start to deteriorate, restore master mould by the re-application of **SHUTTAWAX**, even on a localised basis.

*Difficult Features

Where a problem of release arises due to design of a feature or insert on any type of formwork, **SHUTTAWAX** can be applied lightly to act as a positive release agent.

STORAGE & HANDLING

No special storage facilities needed. Material should be applied in well ventilated areas. Keep away from naked flames, electrical equipment, foodstuffs and children. Avoid freezing temperatures. Spillages should be washed down to avoid slippery surfaces.

HEALTH & SAFETY

Refer to separate material safety data sheet. Copies available by request

PACKAGING & TRANSPORT

Supplied ready for use in metal 25kg Kegs. Do not dilute. Not regulated for Road Transport

QUALITY ASSURANCE

Norsekem Limited Products are manufactured under quality assured schemes

Norsekem Limited products are guaranteed against defective materials and manufacture. Products are sold subject to the Norsekem Limited Terms and Conditions of Sale, copies of which are available on request. Norsekem Limited endeavors to ensure that the above data and any further advice is correct, Norsekem Limited can not accept liability for the use to which products are put or the way in which they are used. All recommendations stated by the company are made in good faith. Recommendations do not over-ride the basic obligation of the user to satisfy themselves at all times as to suitability of the product for their particular application.

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