



Technical Specification

Water Based Sealer System

A new concept in polyurethane chemical engineering, this water based system is ideal for use on timber, metal and concrete surfaces, particularly in the formwork and concreting industry. No 'Harmful Label' necessary. A user friendly product within the normal constraints of emulsion paint usage. Formcoat products are chemically reactive and penetrative sealant coatings. To a large degree their use eliminates the damaging effects on solvented urethane coatings caused by high moisture levels within the timber substrate. Formcoat products do not create harmful solvent fumes or need solvent cleaner for equipment. Cleaning in water is sufficient to ensure extended life of brushes, rollers, airless sprayers, etc.

Advantages

- Extended mould and formwork usage, by deep sealing of wood fibres and providing a highly abrasive, chemically resistant coating.
- Promotes good quality concrete finishes ensuring uniformity of colour and density of concrete surfaces, with minimal plywood grain transfer.
- Greatly reduces the effect of hydration variation staining and the possibility of wood sugar attack with associated dusting effect.
- A single pack, ultra violet stable product with high resistance to alkaline concrete and chemical reaction to formwork surface retarders.
- Will achieve maximum penetration and bond to timber even in a damp state.
- After initial applications, re-treatment is generally not necessary, but with Formcoat, successful re-coating of damaged areas can be achieved.
- Formcoat can be used in conjunction with polystyrene block as an adhesive and coating system.
- Formcoat used in conjunction with the correct choice of chemical release agent, will not impair the bond of paints, plasters or other concrete surface coatings and has no deleterious effect on concrete. Easily applied by brush or roller, Formcoat has excellent 'water cleaning' properties.
- Formcoat Red Edge Sealer greatly extends the life of factory pre-sealed ply boards which have been cut or drilled.

Application

Timber surfaces should be clean, previously untreated with paints, oils etc. Surface moisture levels should be kept to a minimum. However, Formcoat has excellent dewatering properties so test apply the material to determine satisfactory cure and adhesion if in doubt.

It is recommended that all fixing holes, knots and surface blemishes be filled with Formfix before coating. Protection against frost is necessary in storage and in use, so do not use products in these conditions without taking the necessary precautions to protect.

Apply a liberal, evenly spread coat to prepared timber. Apply on to a horizontal surface, if however a rough, sawn or profiled finish is required; only apply sufficient material to prevent runs or pooling.

Normally a single application will be sufficient to seal forms, but should extended wear and life of moulds be required, a second coating should be applied within 2-5 hours (depending on ambient climatic conditions). If the first coat has dried or the grain lifted, a light sanding between coats will be beneficial, but after a delay of 12 hours between coats, it is a necessity to ensure good inter coat adhesion.

Always seal the edges of plyform products. This is highly beneficial in extending the life of moulds by preventing the ingress of damaging alkali waters from the concrete mix. A single liberal coating of Formcoat or Formcoat Red Edge Sealer is all that is necessary to ensure water repellence. If using phenolic impregnated or medium dense overlay plyboards that are factory edge sealed, always re-seal cut edges, tie holes, etc. to minimise edge damage. Formcoat Red Edge Sealer is specifically formulated to comply with the recommendations of the manufacturers so that site or factory engineers can see the coloured edges have been sealed in the correct manner. The Council of Forest Industries (COFI) and Finnish Plywood International, both recommend the proper sealing of cut edges in plywood to extend form life and minimise swelling and edge distortion.

Coverage

7-9m²/litre depending upon surface porosity

Storage

Packed in 5 litre and 25 litre pails. Store in accordance with Health & Safety regulations for water borne emulsions. Protect from frost.

Re-seal after use. If surface skin has formed in an open can, remove skin and use residual material as normal.

Shelf Life

Shelf life is 12 months in the supplied sealed container subject to storage temperature and humidity.

Specification

Formcoat Red Edge Sealer is manufactured & supplied by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

Health and Safety

Formcoat sealer is safe to use being water based, non flammable and non toxic. Therefore the normal precautions apply.

Avoid splashes to skin and eyes. Wash with copious amounts of clean water and seek medical advice if any adverse symptoms persist.

See separate product specific Health & Safety Data sheet.