

Cetol TSI Satin plus SIKTSP



A medium build solvent-borne interior woodstain, for decoration and protection on smooth planed softwood and hardwood. A single product system, providing a hardwearing finish resistant to knocks, spills and abrasion. Cetol TSI Satin plus has a strong surface film, and is resistant to water and mild household detergents. Cetol TSI Satin plus can be used on floors subject to light domestic wear.

For use on window frames, handrails, skirtings, wood panelling, doors, furniture etc. in coloured and colourless finishes.

Properties

Composition
Coating System
Finish

Micronised pigments dispersed in a urethane/alkyd resin, dissolved in white spirit.
Three coats alone on interior timbers. Is available in a colourless finish if increased translucency is preferred.
Satin.

As with all translucent coatings, the final colour and sheen are dependent on a number of factors, including the timber species, colour and cut, and the presence of any existing coating.

N.B. The final shade is dependent on the number and thickness of the coats applied. It should be remembered that the colour guides in the brochure are produced using three full coats of the appropriate shade.

A trial application is strongly recommended prior to the commencement of work.

Recommended application rate

11-13m² per litre.

This figure is intended as a guide. The actual coverage will depend on a number of factors, including timber species, surface condition, moisture content, method of application and conditions during application..

Min. Wet Film thickness

54 micrometres per coat on non-absorbent surfaces

Dry Film thickness

Approximately 22-32 micrometres per coat.

Drying Time (@23°C/50%RH)

Touch dry : 1-2 hours. Recoatable : 16 hours.

Note:

Drying times are dependent upon absorption of substrate and drying conditions. Minimum recommended application temperature 5°C. At low temperatures and/or conditions of high relative humidity, or in poorly ventilated areas, drying times will be extended.

Volume solids

Approximately 38-48%

Volatile Organic Compound

EU Limit for this product (cat. A/e) : 500g/l (2007) / 400g/l (2010). This product contains max 399g/l VOC.

Colour Range

Available in 003 Colourless and 6 ready mixed colours: 004 Natural Oak, 006 Light Oak, 009 Dark Oak, 010 Walnut, 045 Mahogany, 085 Teak and a range of tinted colours from the Cetol Design Concept.

Packaging/Can Size

Cetol TSI Satin plus is available in 1 and 2.5 litre cans.

Preparation

Ensure the timber surface is suitably prepared, clean and dry, with dust, dirt, wax and grease removed, and allowed to acclimatise to its end-use environment. The moisture content should not exceed 14% prior to coating.

We do not recommend the use of "knotting agents" with translucent finishes as they are not always fully effective in "sealing in" resin, the presence of knots is often highlighted and adhesion of coatings can be impaired.

When filling, be sure to use fillers specifically designed for use with timber such as **Componex WR Primer/Filler** system. General or all purpose fillers are not suitable as they cannot cope with timber movement and work loose.

New Timber

Where a superficial application of preservative to softwood and hardwood is deemed necessary, such as timbers in Durability Class 3 or lower, use **Cuprinol Trade Wood Preserver Clear (T)**. For Class 4 (in ground contact) and 5 (marine) use pre-treated wood specific to these conditions. Preservative pre-treatments must be fully dry before the application of the **Cetol TSI Satin plus**. Do not use on substrates which have had water-repellent preservative pre-treatments applied. Where possible, at least the first coat should be applied all round prior to fixing. Only use non-ferrous screws, nails and fixings.

Product Application

Ensure product is thoroughly stirred before and during application, otherwise sheen and colour variations may be experienced. **Cetol TSI Satin plus** is supplied ready for use and does not require thinning.

For best results use a good quality, long-haired soft bristle brush.

Three coats of **Cetol TSI Satin plus** should be applied, allowing a minimum of 16 hours drying time between coats. The product should be applied in a full flowing coat, laying off in the direction of the grain, using the minimum number of brushstrokes necessary to produce an acceptable finish. Avoid overbrushing, as this will produce brush marks and a poor quality finish. Apply to a minimum wet film thickness of 54 micrometres.

Conditions – Do not apply when air/substrate temperatures are below 5°C or above 30°C during application or drying periods. Protect from water until dry. Failure to meet these requirements may adversely affect the drying, visual quality and durability of the finish.

The first coat should be carefully denibbed using a fine grade nylon abrasive pad or a fine grade (P240 or finer) wet or dry silicon carbide abrasive paper, in the direction of the grain. Do not break through the surface coating. Remove all dust.

Subsequent coatings should be applied as soon as possible after the previous coat has dried, but no sooner than 16 hours.

Cleaning equipment

Clean brushes and equipment with a proprietary brush cleaner immediately after use. If spilled, **Cetol TSI Satin plus** may be removed immediately while still wet, using white spirit.

Storage

The can should be resealed after use and stored tightly closed to prevent evaporation of the product and entry of air. Avoid the inclusion of a greater proportion of air to the product. It should be noted that even if there is a higher proportion of product to air in the container, once opened the shelf life of the product is unpredictable. Store in cool, dry, frost-free conditions.

Maintenance of existing coatings

Cetol TSI Satin plus treated surfaces may be cleaned by wiping down lightly with a lightly moistened cloth and then buffing with a dry cloth to restore the original sheen. The use of silicone-based polishes or wax is not recommended, as they tend to accumulate dirt and require complete removal before maintenance.

If maintenance becomes necessary, the surfaces should be lightly sanded with a fine grade abrasive paper. If the timber has been stained, avoid sanding back to the underlying stain. Remove all sanding dust thoroughly and apply one or two coats of **Cetol TSI Satin plus**.

For maintenance of other varnishes, or for coatings in a less sound condition, any loose, flaking coating should be removed by use of a scraper and abrasive paper. In damp areas (e.g. kitchens and bathrooms), mould or mildew may be evident. This must be eradicated using a suitable fungicide. Wash surfaces with water and a mild detergent to achieve a clean surface. Rinse thoroughly and allow to dry completely. Bare timber should be patch primed with one coat of **Cetol TSI Satin plus** in a similar shade to the existing finish, and brought forward with one or more coats of **Cetol TSI Satin plus**, in order to achieve an even, overall depth of colour. Apply a further coat of **Cetol TSI Satin plus** in the chosen shade as described in the Application section.

Coatings in a poor condition should be removed completely and the surface must be thoroughly sanded then treated as "New timber".

General Information

Apply all products in accordance with BS 6150: 2006 and BS 8000 : Part 12 : 1989 (see Standards section).

Every care is taken to ensure that the information provided in this technical data sheet is accurate. **AkzoNobel Group of Companies** are unable to guarantee results as we have no control over the conditions under which our products are applied.

For further help and information contact the Technical Advice Centre on **0800 052 2121**. Before using this product ensure that you have the latest information available. The information above is correct at the date of issue.

Standards

BS 6150: 2006 - Code of practice for painting of buildings

BS 8000 : Part 12 : 1989 - Workmanship on building sites. Code of practice for decorative wallcoverings and painting

BS EN 927-1 : 1997 - Coating materials and coating systems for exterior wood Part 1: Classification and selection

BS 6262 : 1982 - Glazing for buildings

BS 8000-7 : 1990 - Workmanship on Building Sites. Code of practice for glazing

BS EN 335-2 : 1992 - Guide to the application of hazard classes to solid wood

BS EN 350-2 : 1994 - Durability of wood and wood-based products - Natural durability of solid wood

Information on British Standards can be obtained from the British Standards Institute, tel: 0208 996 9001.

Health, Safety and Environmental issues

It is the policy of **AkzoNobel Group of Companies** to provide the highest standard of information and to this end, material safety data sheets covering every **AkzoNobel Group of Companies** product are supplied to our customers and are freely available on request.

Removal of lead paint

Special precautions should be taken during the preparation of pre-1960s paint surfaces as they may contain harmful lead. A guide on "How to remove old lead paint safely" is available via the British Coatings Federation Ltd. (Tel. 01372-360660).

Removal of coatings (general)

Treatments such as sanding and burning off, etc. of paint films may generate hazardous dust and/or fumes. Work in well ventilated areas. Use suitable personal (respiratory) protective equipment. The safety phrases on the containers and material safety data sheets should be read before using this product.

Date

February 2009