



Protecto-WoodKare

2K PU

Solvent-based, Clear Finish for Wood

PRODUCT DATASHEET

► Description

Wood plays a very important role in every home, office, shop and factory. It is widely used for doors, windows, furniture, paneling, flooring, partitions, ceilings, etc. Wood, however, is easily scratched and is highly susceptible to damage by water, oil, heat, termites and climatic changes. Protecto-WoodKare is a revolutionary two component (2K) polyurethane system that has been developed and perfected by our R & D department to give total protection to wood. It gives the wooden surface a superb, rich finish that will last for years and years.

► Salient Features

- **HIGH SCRATCH RESISTANCE:** Protecto-WoodKare gives a hard, tough, scratch & wear resistant layer which protects the wood surface.
- **FAST DRYING:** Protecto-WoodKare is extremely fast drying and dries within 10 to 15 minutes. This prevents dust from settling down on it and spoiling the finish.
- **SUPERB FINISH:** Protecto-WoodKare enhances the beauty of the grains and texture of the wood and gives a rich look
- **EXCELLENT WATER AND CHEMICAL RESISTANCE:** Protecto-WoodKare prevents the wood from being damaged due to exposure to water. It also shows good resistance to many dilute acids, alkalies and oils.
- **HIGH STAIN RESISTANCE:** Protecto-WoodKare is unaffected by spillage of tea, coffee, gravy, etc. & retains its gloss for many years.
- **HIGH HEAT, WEATHER & UV RESISTANCE:** Contact with hot objects and liquids have little effect on Protecto-WoodKare. It has excellent resistance to humidity and is not affected by changes in weather conditions.
- **LONG LIFE:** Protecto-WoodKare preserves the wood and keeps it looking unchanged for several years.

▶ Application Procedure

• SURFACE PREPARATION:

SANDING:

Sand the surface along the grains with emery paper no. 180 followed by no. 320. Clean surface free of dust and grease.

• STAINING:

If the natural look of the wood is to be retained then skip this step. If a stained finish is desired, apply a ready-to-use wood stainer with a brush or muslin cloth. Alternatively, you can prepare and apply your own stainer by mixing pigment powder in 'ProtectoCoat - Woodgard Sealer' and thinning it down with water (1 part Woodgard Sealer is mixed with 3 parts water).

• SEALING:

If you do not wish to seal the pores in the wood, then skip this step. If the pores in the wood are required to be filled, apply 'ProtectoCoat - Woodgard Sealer' liberally using a brush, spray gun (requires dilution with water) or a muslin cloth. If a muslin cloth is used apply the Woodgard-Sealer using a circular motion. Allow it to hard dry for 3-4 hours. Rainy days may require longer time.

Repeat filling operations, if necessary, till all the pores are completely sealed. Smooth the surface using emery paper no. 320.

Note: Sealing of pores is essential if a high gloss, mirror like finish is required

• TOP COAT:

Protecto-WoodKare is a two pack system in which both components are mixed thoroughly before applying. Use Protecto-WoodKare Glossy to obtain a high gloss finish and Protecto-WoodKare Matt to obtain a matt finish. Mixing ratio for both cases is 1:4 by volume. You can mix the Glossy and Matt topcoats in any proportions for different levels of gloss.

Apply two coats of Protecto-WoodKare by spraying (at 1.8 kg/sq. cm. pressure) or by brushing. Lightly sand with emery paper no. 400 after drying first coat for 4-5 hours. Allow second coat to dry thoroughly. Full scratch hardness is achieved after 4 days.

Spirit or alcoholic solvents should not be used as thinners for Protecto-WoodKare. We recommend 'ProtectoCoat - Thinner 102' if you wish to thin Protecto-WoodKare. To avoid whiteness and dull appearance of coatings, ensure that the compressor is drained completely and the compressed air is free of moisture. Similarly for brush applications, the brush should be totally dry.

► Properties

Coverage	9-10 sq.m/litre (m ² /L)
Mixing Ratio	1 : 4 by volume
Pot life (25°C)	2-3 hours
Tack free time (25°C)	10 to 15 minutes
Scratch hardness	2000 gms
Recoatibility	After 4-5 hours

► Storage and Precautions

Protecto-WoodKare should be stored in a cool, dry and spark free area. It can be stored for 6 months in its original, unopened container. As far as possible, all the material from the container should be used up once the container is opened. To store unused Protecto-WoodKare, transfer it to a small airtight container leaving no air gap on top. While handling, all contact with eyes, skin, and clothes should be avoided. Implements used for application of Protecto-WoodKare should be cleaned with 'ProtectoCoat - Thinner 102'

Protecto-WoodKare formulations are subject to strict quality control, innovations and improvements to comply with our high standards. The above information is given on the basis of our best knowledge and information and is for your guidance only. Specifications, however, are subject to change and no guarantee is given or implied. All Rights Reserved.



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