



# Protecto-*Chamak*

## Water-based, Super High Gloss PU Wood Polish

Protecto-*Chamak* is a revolutionary, eco-friendly, high gloss, two pack Polyurethane wood polish made with water based technology which provides total protection to wooden surfaces and floors. It is brought to you by IPMC (Pune), pioneers in manufacturing of polyurethane coatings since more than 25 years. It gives the wooden surface a superb, rich finish with unmatched scratch and abrasion resistance.

### ► Salient Features:

- **ULTRA HIGH GLOSS FINISH:**

Protecto-*Chamak* enhances the beauty of the grains and texture of the wood and gives the surface an ultra-high gloss.

- **WATER BASED:**

Protecto-*Chamak* is water based thereby eliminating any irritating and hazardous solvent fumes during application. Both the applicator and the customer do not have to face any obnoxious smells and health hazards when Protecto-*Chamak* is applied.

- **OUTSTANDING SCRATCH & ABRASION RESISTANCE:**

Protecto-*Chamak* has better toughness as well as scratch and wear resistance than other wood polishes & hence preserves the wood and keeps it looking unchanged for several years.

- **EXCELLENT UV & WEATHER RESISTANCE:**

Protecto-*Chamak* is ideal for outdoor applications due to its excellent UV resistance and ability to withstand changes in weather conditions.

- **HIGH HEAT & STAIN RESISTANCE:**

Protecto-*Chamak* is unaffected by spillage of tea, coffee, gravy, etc. and retains its gloss for many years. Hot objects too do not leave white marks.

- **EXCELLENT WATER AND CHEMICAL RESISTANCE:**

Protecto-*Chamak* helps in preventing wood from being damaged due to exposure to water. It also shows good resistance to dilute acids, alkalis and oils.

- **ECONOMICAL:**

While applying Protecto-*Chamak*, there is no extra expenditure on thinners and cleaning solvents. Protecto-*Chamak* is highly cost effective in the long run.

## ► Application:

- 1 Sand the surface along the grains with emery paper no. 180 followed by no. 320. Clean surface by removing dust and grease. If pores in the wood are required to be filled, use a wood sealer or make a filler putty from whiting powder (talc powder) and a 20% solution of Protecto-*Chamak* and water. Apply the Sealer / putty in a circular motion using muslin cloth. Remove excess material along the grains.
- 2 Sand the filled surface using emery paper no. 180 followed by no. 320. Repeat filling operations, if necessary.
- 3 For a stained finish use a suitable wood stainer. Mix the stainer in the Sealer / putty described in point no.1 to fill and stain in one operation.
- 4 Use Protecto-*Chamak* to obtain a high gloss finish
- 5 Mix thoroughly the two components, A and B, in 1:4 ratio by volume. Thin the material with 20-25 % water. Apply two or three coats of Protecto-*Chamak* by spraying (at 1.8 kg/sq. cm pressure) or by brushing, keeping a gap of 2-3 hours between coats. Use the entire mixed material within 3 hours. **Do not use the mixture after 3 hours even though it appears to be thin and useable. Apply evenly in very thin coats to ensure quick drying and a superior finish.** Allow the final coat to dry thoroughly. Full scratch hardness is achieved after 3-4 days.

## ► Properties:

Colour and appearance:	Milky white liquid
Mixing ratio:	1:4 by volume
Pot life at 25°C:	3 hours
Coverage:	9-10 sq.m/kg/coat spraying 10-12 sq.m/kg brushing
Tack free time (25°C):	10-15 minutes
Re-coatability:	After 2-3 hours

## ► Storage and Precautions:

Protecto-*Chamak* can be stored for 6 months in its original, unopened container. Avoid all contact with eyes, skin, and clothes while handling. Use water to clean brushes, rollers, spray gun, etc. In case of accidental swallowing, drink large quantities of water and seek medical help. In case of any splashing in the eye, rinse with cold running water for 10-15 minutes.

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Protecto-*Chamak* 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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Developed and Manufactured by:  
**Industrial Products Mfg. Co.**  
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coating  
industry  
since 1985**

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