



PI PAINTSHIELD 4580

Clear Peelable coating For Temporary Protection for Automotive Surfaces.

1. INTRODUCTION:

PI PAINTSHIELD 4580 is a peelable temporary protective coating, specifically formulated for use on vehicle bodywork including bumper rails, and other commonly damaged areas. **PI PAINTSHIELD 4580** forms a water resistant contour hugging skin when dried and may also be used to protect various other non-porous surfaces.

Application with **PI PAINTSHIELD 4580** protects against stone chips, bug damage, abrasion and weathering. **PI PAINTSHIELD 4580** represents the ultimate in water-based strippable coating technology. It is stabilized against brittleness and is not softened or penetrated by most water-based compounds.



A water-based, clear peelable coating, PI PAINTSHIELD 4580 is very easy to apply and protects substrates from scratching, marring and detailing flaws. This product is useful for protection during polishing, handling and long-term storage or during transportation. **Paintshield** is also available in spray can dispenser format as **PAINTSHIELD 5720**.

2. PHYSICAL CHARACTERISTICS

Colour	Clear (can be coloured)
Weight	1kg/litre
Viscosity	Spray viscosity or high viscosity for brushing/rolling
Flashpoint	None

3. APPLICATION

Patch Test

Because it is difficult to determine the type and amount of application, perform a small test first. This will determine **PI PAINTSHIELD 4580** effectiveness, coverage, and the approximate amount of time required for it to work.

PI PAINTSHIELD 4580 should be used as received. It is applied by spray; brushing, roll coating or dipping. The coating dries to touch in 30 minutes or less, depending on temperature and film thickness. **PI PAINTSHIELD 4580** should be applied to form a dry film in the range of 100 – 300 microns (.001" to .003") thick. Application temperature is ambient to no lower than 10 deg C, as drying times will be affected. On vehicle bumper rails either avoid deep channels or crevices with the material or alternatively apply a number of thick coats of the product to assist removal when dry.

4. CURING

PI PAINTSHIELD 4580 will cure tack-free within 30 minutes after application, dependent upon temperature, humidity and thickness of coating. Deviations from application section will require adjustments in the curing times, as well as in the strip-ability parameters. Forced drying at 43 degrees Celsius for 3 to 7 minutes may accelerate curing.

It is imperative that **PI PAINTSHIELD 4580** be thoroughly cured and dry (approx 12 hours), with no water being in the film before an attempt is made to strip the coating from the substrate.

5. STORAGE

It is recommended that temperatures of 10°C - 32°C (55°F- 90°F) should be used for storage and the product should be used within one year of purchase. **PI PAINTSHIELD 4580** should be stored in the original shipping container in an indoor environment. Containers should be sealed until needed. **Protection from freezing is necessary.**

6. REMOVAL

PI PAINTSHIELD 4580 is readily removed from surfaces by peeling. Start with one corner of the dried film and peel slowly and carefully away from the protected substrate. Careless, quick removal will invariably cause the film to rip.

Performance statements are based upon representative experience from testing Worldwide; however, actual performance will be determined by substrate selection and preparation, exposure conditions, and maintenance of the marking.