



# PI Marbleshield 4580 Temporary Protective Water Resistant Peelable Coating, Protects: Metals, Glass, Acrylics. Enamels And Other Surfaces.

## 1. INTRODUCTION:

Water reducible. VOC Free. Water Resistant Peelable coating for various applications to temporarily protect surface from exterior and interior environment, prevent damage and scratches including glass, good sag resistance spray through Air Assisted conventional spray equipment. Low temperature curing and low viscosity



**Marbleshield 4580** is normally used as received. It can be applied by spray, roll or brush. **Marbleshield 4580** may also be diluted at the rate of one to four ounces of water per gallon or as needed for proper application. The sprayed coating dries, depending on the film thickness, in 30 minutes to 4 hours. **Marbleshield 4580** should be applied to yield a dry film from one to ten mils (.001" to .010") thick. The coating, when totally dry, is resistant to water and some solvents used in paint. Application temperatures range from 120° F. for fast force cure to no lower than 45° F. **Marbleshield 4580** cures upon water evaporation. Faster cure can be realized by placement of air fans to remove the water from the coating. The coating when applied is milky but when cured is totally transparent. The milky appearance is indicative of water presence in the coating. Brushes, rollers and spray equipment can be cleaned with water immediately after coating application. The coating becomes water resistant when clear

## 2. PHYSICAL CHARACTERISTICS

Colour	Clear
Weight	1kg/litre
Viscosity	Spray viscosity or high viscosity for brushing
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 4580** effectiveness, coverage, and the approximate amount of time required for it to work.

**PI 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 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.

## 4. CURING

**PI 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 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 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 4580 Marbleshield** 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.*