

## Marten polyurethane top coat 645

**Description** A high quality two pack polyurethane gloss is a polyester aliphatic isocyanate based finish.

### Principal uses

- For interior and exterior use.
- Unsaponifiable and alkali resistant.
- Good abrasion and impact resistance
- Resistant to splash and spillage of mild chemical and solvents.
- Excellent color and gloss retention
- Excellent resistance to atmospheric exposure
- Non yellowing
- Easy to apply.

### Characteristics

**Color** : White – or according to Martensons color card  
**Finish** : Gloss  
**Specific gravity** : Approx. 1.21 g /cm<sup>3</sup>  
**Volume solids (%)** : Approx. . 47 - 49 %  
**Theoretical coverage** : Approx 9 - 10 m<sup>2</sup> / lt. ( 50 µm )  
Depends upon substrate condition and method of application .  
**Drying time** : Approx. 2 – 3 hours.  
**Overcoat interval** : Min. overnight .  
**Mixing ratio** : 4:1 base : hardener  
**Shelf life** : 12 months from the date of production  
(stored in a dry and cool place).  
**Full cure after** : 3 days  
**Flash point** : base 30°C and hardener 30°C

### Surface preparation and condition

- New and previously painted surfaces should be dry and free from all loose and flaking materials, dirt, grease, wax, and similar contamination.
- Substrate temperature should not be less than 5°C
- Humidity during application should not be higher than 85%
- Mixing ratio : by volume : base to hardener 4 : 1
- The temperature of the mixed base and hardener should be above 15°C; otherwise extra solvent may be required to obtain the correct application viscosity.
- Thinner should not be added after proper mixing of the base and hardener.
- Too much solvent will result in lower sag resistance and slower cure.

### Application guide line

#### Instrument for use

#### ( Brush and Roller )

Volume of thinner : approx.5 – 10 %  
Recommended thinner : Urethane reducer TN - 04

#### (Airless spray)

Volume of thinner : approx.0 – 5%  
Recommended thinner : Urethane reducer TN - 04

#### (Airless spray)

Volume of thinner : approx.10 – 20%  
Recommended thinner : Urethane reducer TN - 04

**Cleaning Solvent** : Urethane reducer TN - 04