



***UNSATURATED POLYESTER RESIN FOR MARBLE , STONE AND ADHESIVES***

**Description :**

ETERSET 2166 is an unsaturated polyester based on orthophthalic anhydride, dissolved in styrene.

The resin is pre-accelerated with amines.

**Performance:**

Gives rapid hardening, also at lower temperatures and in thin layers.

Exhibits good adhesion to marble, stone, polyester, and metal substrates.

**Suggested use:**

Binder for highly filled knifing fillers and stoppers for marble, stone and adhesives.

**SPECIFICATIONS**

Appearance	clear yellow
Styrene monomer content, %	28-32
Viscosity-Brookfield at 25°C #4 spindle at 60rpm, cps	1600-2000
Acid value,mg KOH/g,resin	17-25

## TYPICAL PERFORMANCE DATA

(for guidance only)

### Typical curing characteristics :

Room temperature cure at 25°C, 2% BPO(50%)

Gel time, minutes	3'-5'
Total time to peak exotherm, mins.	10'-16'
Peak exotherm, °C	140-170

### Typical physical properties of cured castings:

Clear casting, ETERSET 2166

Barcol hardness	47
Tensile strength, kgf/cm <sup>2</sup> (ASTM D 638)	740
Flexural strength, kgf/cm <sup>2</sup> (ASTM D 790)	1100
Heat distortion temperature, °C	70

### Adhesion strength test:

Marble adhesive test proceeds until marble block is broken, but the adhesive surface remain intact.

Carbon steel, kgf/cm <sup>2</sup> (ASTM D D1002)	54
Stainless steel, kgf/cm <sup>2</sup> (ASTM D D1002)	40

Hardening conditions of adhesion strength test : Room temperature cure at 25°C, 2% BPO(50%)

### Recommended storage :

Typical storage life at temperature below 25°C is six months. Storage life decreases with increasing temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. Keep containers sealed to prevent moisture pick-up and monomer loss.

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