



VIJ20559(UW)

Phenalkamine Curing Agents

TECHNICAL DATASHEET

VIJ 20559(UW) is a low viscosity solvent-free with high solids content Phenalkamine epoxy curing agent. The highly hydrophobic aliphatic side chain of Phenalkamine hardener offers excellent water resistance, good flexibility, low viscosity, extended pot life and excellent choice for under water curing.

It has excellent rapid cure properties with high gloss even at low temperatures. It offers excellent adhesion on wet or unprepared surfaces.

Property	Typical Value
Appearance	Orange - red
Color (Gardner)	13 to 15
Viscosity at 25°C (cPs)	500 -1500
Amine value (mgKOH/g)	320 - 350
AHEW	95
Volatile Loss	solvent free
Recommended Use Level (EEW 190)	100 : 50 – 55

* Tested at recommended phr with liquid epoxy resin EEW equal to 190

PERFORMANCE PARAMETER

Parameter	Observation
VIJ20559(UW)	
Liquid Epoxy resin (EEW190)	100 gm
Hardener VIJ20559(UW)	50 - 55 gm
Gel time at 25° C	40 - 45 minutes
Hard dry time at 25 °C	9.5 hours
Appearance of the film	clear film with high gloss

For further information contact



Vijai poly prods. pvt. Ltd.

22 sevagram society, Nizampura, Baroda 39 000 2

Email: sales@vijai poly products.com, vijaiceo@hotmail.com



VIJAI POLY PRODUCTS PVT. LTD.

APPLICATIONS

1. High solid coatings for under water curing.
2. Marine and industrial coating.
3. Surface tolerant primers for concrete and metallic.
4. Potable coating for potable water tank lining and pipe coating.

SAFETY PRECAUTIONS

Please refer to the material data sheet (MSDS).

STABILITY AND STORAGE

Phenalkamine may absorb moisture and carbon dioxide when left in an open container, which could result in increased viscosity, discoloration, reduction of reactivity, and/or crystallization of the products. This product should be kept tightly sealed in its original container when not in use, and stored in a cold, dry place. Expiry of the product is six months from the date of manufacture.

For further information contact



Vijai poly prods. pvt. Ltd.

22 sevagram society, Nizampura, Baroda 39 000 2

Email: sales@vijai poly products.com, vijaiceo@hotmail.com
