



# Chemical Technology at its best!

## TECHNICAL DATA SHEET TEVO 2034

### PRODUCT DESCRIPTION AND USES

TEVO 2034 is a superior performance sealant that is used to repair concrete cracks. TEVO 2034 is prepared with highly hydrophobic, hydrophilic acrylic emulsion polymers. A specific Tg was targeted to have a balance bendability, water proofing, UV light resistance, heat deflection resistance, adhesion, cohesion and pour ability. TEVO 2034 sealant integrity is stable between 0 °C to 80 °C. It will be stable when subjected to UV light for a minimum 8-hour cycle for several years. Blended with a thermoset to increase its thermal and solvent resistance. Curing takes more than 24 hours. It forms a strong bond with the boundaries of the substrate, and it will hold its cohesive strength for many years. On drying, it has some extent of flexibility to accommodate any compression or relaxation (expansion) due to weather extremities.

### TEVO 2034 FEATURES AND PROPERTIES

Test	Results
Packages	3
Ratio (Elastomer, Part A: Part B), mix two minutes before use	1:0.15:0.15
Solids (%)	70 +
Elongation (%)	70-100
Adhesion, on concrete, and metal surfaces (MFFT), degree C	Good 0
UV stability	Excellent
Cure time (hours)	48
Odor	very low
Viscosity, (cP)	1500-3000
Tensile, (PSI) on full cure	400-600 PSI, (2-3 MPa)
Compressive strength	Bendable
Hardness	Good, resist to indentation, self-heal
Durability in service	Excellent
Abrasion and shear stability	Good
Modulus	Medium
ASTM C794, Adhesion	Good
VOC,ppm	20
Leaching	nil
Ease of application	Excellent
Petrol Vapor stability on drying	Excellent
Deflection Temp C	> 120

Use proper PPE and avoid any rush and do proper preparation and staging. Anything gets to the skin, wash with water or with water and soap and also seek medical attention as needed.

### SURFACE PREPARATION

Remove all foreign materials from joint substrates that could interfere with adhesion of joint sealer, including oil, grease, waterproofing, water repellents, water, surface dirt, and frost. Clean surfaces by brushing, grinding, blast cleaning, mechanical abrading, acid washing, or a combination of these methods. Remove latitude and form release agents from concrete prior to installation of sealants. Prime or seal joint surfaces when recommended by the sealant manufacturer. Confine primer/sealer to areas of sealant bond; do not allow spillage or migration onto adjoining surfaces.

### Advantages

Seals the surface pores of the concrete to make it impervious to liquid. Protects the damage from water and oil stains along with abrasions and impact damage. Can prevent corrosion due to industrial chemicals. Comes in a variety of colors and patterns that can be customized.

### APPLICATION CONDITIONS

It is highly recommended to avoid application when there is rain, hail or wind less than 24 hours from the time of application. For the best results, it is highly recommended that the surface should be prepared and coated TEVO 2028.

### STORAGE

Store at ambient temperature. Stock it in a plastic Jar, pail, or drum and keep in a shade area.

### PACKAGING

TEVO 2034 is available in a gallon, pail, and plastic drum of 200 kgs.

### TECHNICAL APPLICATION DATA

Apply sealing compound to concrete surfaces at a uniform rate in accordance with manufacturer's instructions. We recommend pouring in small steps 0.5 cm to 1 cm per pouring, and let it touch dry and then pour in steps. Do not apply, to concrete receiving toppings, epoxy coatings, urethane coatings, or epoxy adhesives. Do not dilute the curing and sealing compound.

### WARRANTY

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### HEALTH AND SAFETY