

AEGEON™ Coatings

Technical Data Sheet



Series 6000

AEGEON™ BIS-A 100% Solids Epoxy with VISTAMER® Rubber

Description: A two-component, 100% solids, high performance epoxy coating/liner system that provides excellent adhesion, toughness, chemical resistance and anti-corrosion protection.

VISTAMER® Rubber: A highly-engineered surface-modified performance additive, VISTAMER® Rubber is used in epoxies and urethanes to improve impact resistance, tear resistance, adhesive strength, traction, toughness, flexibility and abrasion resistance. VISTAMER® Rubber's patented surface-modification process chemically bonds with the resin matrix of the coating to provide superior performance properties.

Applications:

- Concrete • Steel • Wood • Glass
- Tank Exteriors • Rail Industry • Oil Industry • Marine Industry

Product Benefits:

- Excellent wear and impact properties
- Superior substrate adhesion
- Broad chemical resistance
- High build membrane, single coat application up to 20 mils
- May be applied via spray, brush, or roller

Technical Data:

Solids by Volume:	100%
Viscosity:	110 KU
VOC:	Zero lbs/gal
Tensile Strength:	7,500 psi (ASTM D-638)
Flexural Strength:	10,000 psi (ASTM D-790)
Flexural Modulus of Elasticity:	5.5 psi x 10 ⁶ (ASTM D-790)
Bond Strength:	1,800 psi
Theoretical Coverage:	1,600 sq. ft. per mil/gal
Recommended Thickness:	10-20 mils
Curing Time:	Dry Hard, 24 hours
Potlife @ 77°F:	1 hour work time after mixing Part A with Part B
Gloss:	65+
Wt/Gallon:	11 lbs/gal (1.32 kg/L)
Mixing Ratio:	2:1 ratio by volume



Important Information

Application Recommendations:

- Apply only on clean, sound, properly prepared substrates in accordance with accepted industry protocols.
- Minimum ambient or substrate temperature is 50°F/10°C, at the time of application. Optimal temperature is 75°F/24°C.
- Maximum ambient or substrate temperature is 100°F/38°C.
- Relative humidity should be between 0-90%.
- Substrate temperature should be 5°F/3°C above the dew point.
- Application and curing times are dependent upon ambient conditions.

Manual Mixing Instructions: Stir the base portion slowly for several minutes until uniform mixture. After stirring the base portion add the converter slowly with continued agitation until a homogenous mixture is obtained.

Surface Preparation: Prior to coating application the substrate must be free of oil, grease, dirt, dust, mill scale, rust, corrosion products, salts, solvents, chlorides, other chemicals, and existing coatings.

Storage Conditions: Keep tightly sealed in the original container until ready for use. Store at 50-85°F/10-29°C, out of direct sunlight. Properly stored, the base resin has a shelf life of 6 months; the converter, 24 months. Proper jobsite storage is essential to performance.

Clean Up: Cured product may be disposed of without restriction. Excess base resin and converter material should be mixed together and allowed to cure, then disposed of in the normal manner.

Safety: Basic safety for personal protection includes:

- Long-sleeve overalls or disposable Tyvex® overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Do not use near high heat or open flame
- Do not take internally
- Keep out of the reach of children

Safety

For best results and safest usage, user is specifically directed to consult the current MSDS for this product. When using this product in a confined space or closed area, consult the current OSHA or ANSI bulletins on safety requirements.

For Industrial Use Only

The recommendations made herewith and the information set forth with respect to the performance and use of our products are based on our own research and are believed, but not warranted, to be accurate. The products discussed are sold without warranty as to fitness or performance, express or implied, and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible uses of our products are not intended as recommendations to use our products in the infringement of any patent.