

PRODUCT DESCRIPTION

The NVER™900 is a Novolac-Epoxy Vinyl Ester Resin that is epoxy vinyl resin novolac-epoxy base resin. NVER™900 produced to provide chemical resistance at high temperatures and suitable for protecting concrete surfaces against various chemical agents such as high concentrations of acids, alkalis and solvents. NVER™900 has higher chemical resistance than other epoxy coatings and serves well at higher temperatures.

PRODUCT FEATURES

- Excellent chemical resistance to acids and alkalis
- High mechanical strength and wear resistance
- Excellent adhesion to surfaces
- Increase the durability and longevity of surfaces
- Protect surfaces at high temperatures
- It is insoluble and does not dissolve in water, so it doesn't harm the environment
- Fast and easy implementation
- Increases the strength and adhesion of FRP fibers at high temperatures

PRODUCT USES

The NVER™900 is suitable for use with all concrete and steel surface. Also it can be used for FRP fibers to increase the strength and adhesion. A very important feature in the application of this material is that it continues to serve itself at high temperatures.

- Concrete and steel tanks
- Chemical storage tanks
- Protect surfaces from spraying harmful chemical on surfaces
- Refineries and petrochemicals
- Battery rooms
- Chemical storage warehouse
- FRP fibers

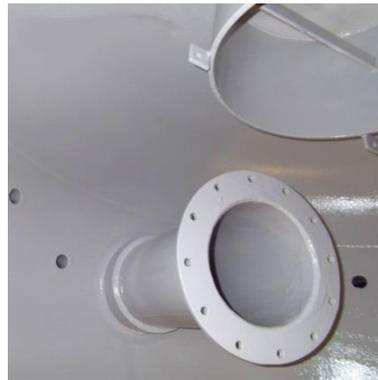
Physical Properties - NVER™900	
Material Type	Novolac epoxy based vinyl ester resin
Mixing Ratio	100:50 Part A (Base): 100 Part B (Base): 50
Color	Gray
Drying time at 25°C	4.5h
Pot life	45 minutes at 25°C
Shelf life	6 months at 20°C
Density	1.25Kg/L

HOW TO USE

SURFACE PREPARATION

All the surfaces must be cleaned from dirt, dust, grime, curing compounds, oils waxes and all the other contaminated materials which may cause voids behind the composites. An industrial vacuum cleaner must be used to remove dust and dirt. All the surfaces need grinding sandblasting, shot blasting, pressure wash or other common mechanical methods to reach an even concrete substrate.

The sharp edges must be smooth and rounded to a minimum radius of 30 mm.



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Note that the surfaces must be fully dried or cured so adhesive can properly dry.

MIXING

NVER™900 compounds are supplied in two different containers as a unit. Before pouring the contents of component B into contents of component A, each part should be stirred separately to avoid deposit in container. Then part A and B should be mixed together depending on the required quantity. Process of mixing should take 3-5 minutes with a low speed mixer.

APPLICATION

NVER™900 can be applied by:

- Airless Spray
- Brush
- Roller

CAUTION

All components of FRP composite systems may cause skin irritation and sensitization. Use of chemical resistant gloves is recommended. Avoid breathing vapors and dust. Get medical attention if you are breathing with difficulty. Resin products can cause strong eye irritation. Avoiding eye contact and using safety goggles is necessary.

STORAGE

NVER™900 must be stored at stable temperature below 25°C. Avoid freezing the product and keep it away from direct sunlight, flame or other hazards. It must be stored in its original packaging. Lid of the container should be kept closed. Moisture can decrease shelf life of resins. With proper storage, resin and hardeners remain usable for 6 months 20°C.

CLEANUP

Dispose of material in accordance with local disposal regulations. Uncured material can be removed with approved solvents. Cured materials can only be removed mechanically.

FIRST AID

Eye: Flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. Remove contact lenses as needed. If you experience redness, burning, blurred vision, or swelling, seek medical advice.

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Skin: Wash affected area with soap and water. If rash or irritation occurs, seek medical advice.

Inhalation: Remove affected individual to fresh air. Give oxygen or artificial respiration if needed. If individual continues to experience difficulty breathing, seek medical advice.

Ingestion: Ingestion is unlikely. If swallowed, rinse mouth immediately. DO NOT INDUCE VOMITING. Seek medical advice.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.