

# VezLar® (MetalSafe B-300)

## Anti-corrosion and waterproofing protection for metals

**Liquid Rubber VezLar®** - is an environmentally friendly two-component spraying protective coating which has been specially developed for unique waterproofing and anti-corrosion protection of metal. It provides chemical protection of metal structures. Applied coating is the final one. After application of material a seamless rubber membrane is formed which has good adhesion to any base.

**Liquid Rubber VezLar®** - is a water-based material, it does not contain urethane and solvents, it is non-toxic and safe for the environment, it is not subject to damage when exposed to a number of acids, alkalis and salts. Unlike many other protective coatings, **VezLar®** can be applied directly to a bit rusty metal. When working with the material there is no need to use an open flame and heating.

### PRODUCT PHYSICAL DATA

Color	From brown to black
Density	Approximately 1.03 g. / Cm <sup>3</sup>
Harmful volatile sub-stances	It does not contain solvents
% of dry solids	61-63%
Viscosity	200 cP
pH	10-12

### PHYSICAL CHARACTERISTICS OF THE COATING

Recommended thickness	1.5 - 2.0 mm
Hardness	85A
Strength	1.90 mPa
Breaking elongation	> 950%
Form recovery	98%
Corrosion by salt steam ASTM B1 17-97, 1000 hours	Pass
Adhesion to steel	0.95 mPa
Heat resistance at 90° C 5h	Blisters and leaks have not been identified
Waterproofing withing 72 hours at a pressure of 0.01 mPa	Not identified
Waterproofing during 72 hours at a pressure of 0.03 mPa	Not identified
Abrasive resistance ASTM F1677	Good – very good
Flexibility at -20° C (R = 40 mm)	Cracks have not been identified
Breakdown strength at low temperatures, -10° C	Pass
Hardness per Shrot A	18-20
Hardness per Shrot B	3-4
It does not contain flammable solvents	
It does not contain volatile organic compounds	
NON-TOXIC WATER BASED	
Vital capacity of the emulsion	12 months

### SCOPE OF APPLICATION

Liquid Rubber VezLar® is a bitumen emulsion modified with polymers; it can be applied for:

- metal roofing with signs of corrosion;
- technological equipment and metal structures at chemical plants, in mining and processing industries;
- At the bottom and underwing flaps of vehicles;
- for waterproofing and anti-corrosion treatment of internal surface of metal containers
- And also, in all other cases when there is a need for reliable anti-corrosion protection of metal.

**Liquid Rubber VezLar®** coating does not lose its properties for more than 15 years when exposed to sunlight, acid rain, and hazardous chemical substances that are contained in the polluted air of industrial zones.

### APPLICATION OF MATERIAL

To create a two-component anti-corrosion coating, **Liquid Rubber VezLar®** is applied in combination with the catalyst agent (a solution of inorganic salt), which allows to which allows to get ready-to-use roofing cover within a few seconds. **VezLar®** and the catalyst agent are applied by a spraying installation unit «HVLP 2000GX», which has been specially developed for Liquid Rubber materials. Before application the surface has to be processed either by a flow of water, or an air-sand blower; the surface has to be also cleaned off dirt, debris, oils and grease. The product should not be applied at ambient temperatures below + 5 ° C, or, if rain is expected within the next 24 hours. **VezLar®** which is applied onto the internal surface of the container gets dry better in case of regulated humidity; a portable moisture absorber may be required in order facilitate curing.

### WARNING

Keep away from children. Avoid storage at temperatures below + 5 ° C. Please, before using refer to the technical safety data sheet for **Liquid Rubber VezLar®**.

The shelf life is 12 months from the date of manufacture specified on the packaging.

Liquid Rubber DacLar® is only black in color, but it goes well with colored Liquid Rubber AcriTech® materials, that allows you to create the roofing surface of any color.

### RESTRICTIONS

Liquid Rubber VezLar® is a medium alkaline substance; and IT IS NOT RECOMMENDED TO BE USED FOR ALUMINIUM AND ITS ALLOYS. During the work, please wear protective clothing, goggles and gloves.

Fresh dirt is to be flushed with water. Cured material can be removed with the solvent White Spirit. In case of penetration of the emulsion into the eyes, rinse well with water and ask for medical advice.

When using the material, please follow current regulatory norms in construction. For more information, refer to the technical data sheet for the product.

Liquid Rubber VezLar® should not be applied at an ambient temperature below + 5 ° C. Not fully cured membrane can be damaged in case of its freezing. Do not apply to wet or frozen surfaces, or shortly before the rain. Some surfaces, such as coal tar, are not suitable for VezLar®.

### PACKAGING:

• 1,000 KG. - EURO CUBE (IBC)



• 220 KG. - PLASTIC BUCKET



### STORAGE

The material should be stored in an intact sealed packaging in a dry place. The shelf life is 12 months from the date of manufacture specified on the packaging. Tightly close the lid of the container if the material has not been fully used yet.

Protect from freezing!

### WARNING

For industrial use only. Before the usage mix for 5 minutes with a mixer at a low speed, or manually.

Keep away from children. Avoid storage at temperatures below + 5 ° C.

Please refer to the technical safety data sheet for Liquid Rubber DacLar® before using it.

For any questions, please contact technical support:

+375 (212) 67-44-81

+375 (212) 67-47-43

+375 (29) 645-64-56

or regional representatives