

PROLOC MARINE LINE 215 PU MARINE FOAM

1 – DESCRIPTION

ProLoc Marine Line 215 is a single component, moisture curing, self-expanding and ready to use polyurethane foam with propellants which are completely harmless to ozone layer. It has a fire rating of up to 235 minutes in certain configurations. High quality PU straw foam recommended for sealing applications where fire resistance is required. It is designed for easy dispensing through the straw adapter included with each can.

2 – PROPERTIES

- According to EN 1366-4 fire retardant up to 235 min – see table enclosed.
- Efficient seal against smoke and gas.
- Does not contain CFC's and H-CFC's.
- Excellent adhesion & filling capacity.
- Excellent mounting capacity and stability.
- High yield up to 45 liters depending on temperature and humidity.
- Excellent adhesion on most substrates (except Teflon, PE and PP).
- High filling capacity.
- High thermal & acoustical insulation value.
- After cured, it can be painted, cut, trimmed.
- No shrinkage.
- Mould and water resistant.
- Conforms to fire class B1 (DIN 4102) and according to EN 1366-4.

3 – APPLICATIONS

215 is an alternative fire resistant filling material to fill large gaps in marine construction activities that requires sound, air and vibration insulation.

All applications where fire retardant properties are required such as :

- Installation of door and window frames.
- Filling and sealing gaps, joints and cavities.
- Filling of penetrations in walls.
- Heat insulation of roof construction.
- Sealing of cable and pipe penetrations.
- Soundproofing and sealing partition walls.
- Bonding of insulation materials.
- Multi-Purpose, adhesion and fixation.

4 - INSTRUCTIONS

- Application surface must be free from dust and grease.
- During the application, the temperature of the can and the room temperature should be between +5 °C and +30 °C.
- Shake the can well after screwing the adapter on the valve.
- Hold the can upside down and activate the foam by pressing the valve.
- Fill holes and cavities partially as the foam will expand.
- Moistening the surfaces before and after the application ensures faster curing and increase the bonding strength.
- Fresh foam can be removed using ProLoc Marine Line C202 Foam Cleaner. Cured foam can only be removed mechanically.

5- PACKAGING

Product	Package Size	Box Qty
215	1000g	12

6- STORAGE AND SHELF LIFE

12 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and +25 °C in vertical position.

7- RESTRICTIONS

- To store above +25°C and below +5 °C shortens shelf life.
- The cans must be stored and transported in vertical position.
- To get best result, the cans should be kept in room temperature for at least 12 hours before the application.
- Cured foam will discolor if exposed to ultraviolet light. Paint or coat the cured foam for best results in outdoor applications.
- Working at lower temperatures would decrease foam yield and cause longer curing time.

8- SAFETY

- Contains Diphenylmethane-4,4'-Diisocyanate. Irritating to eyes, respiratory system and skin.
- Harmful by inhalation. Do not breathe spray/vapor. Use only in well-ventilated areas.
- Wear suitable protective clothing and gloves.
- Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C.
- Keep away from sources of ignition.
- Keep out of the reach of children.

9- TECHNICAL PROPERTIES

Basis	: Polyurethane Prepolymer
Curing System	: Moisture cure
Specific Gravity	: 22 ± 3 Kg/m ³ (ASTM D1622)
Tack-Free Time (1 cm width)	: 7 ± 3 min (ASTM C1620)
Cutting Time (1cm width)	: 30-45 min (ASTM C1620)
Cure-Time	: 24 hours
Foam Colour	: Grey
Yield	: 30-45 L (ASTM C1536)
Post Expansion	: 200-250 %
Shrinkage	: 0 %
Fire Class of the Cured Foam	: B1 (DIN 4102)
Thermal Conductivity	: 0,036 W/m.k (at 20°C) (DIN 52612)
Compression Strength	: 0,03 MPa (DIN 53421)
Water Absorption	: Max. 1 vol% (DIN 53428)
Service Temperature	: -40°C to +90°C
Application Temperature	: +5°C to +30°C
Can temperature	: +5°C to +30°C

The results were obtained by providing optimum environmental conditions.

10- LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of ProLoc Marine Line products, are given in good faith based on ProLoc Marine Line's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with ProLoc Marine Line's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. ProLoc Marine Line reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

