



39 Activity Crescent, Molendinar Qld 4214  
Phone +61 7 5585 7000

## REXAR MD95-15FR PRODUCT DATA SHEET

Date Revised: 01 FEB 06  
Part A Isocyanate -RX20075  
Part B Resin -RX20062

### **PRODUCT DESCRIPTION**

The Rexar range of products are Fire Retarded, 100% solids, spray applied elastomeric protective linings designed to meet specific military requirements whilst still providing superior abrasion, impact, corrosion and chemical resistance.

### **FEATURES**

Rexar MD95-15FR is a proprietary Fire Retarded formulation that is applied using specifically designed plural component application equipment.

Rexar is spray applied and is rapid curing providing a seamless lining to any thickness in one application that can be put back into service in as little as 30 minutes.

Rexar MD95-15FR contains no VOC's or solvents and is not flammable.

Rexar passes Military requirements relating to fire and drip testing under direct flame, specifically:-

FAR 25.853 (a)(1)(ii) Amdt 116 eff 27 Oct 2004, APP F Part I Amdt 111 eff 2 Nov 2003.

### **RECOMMENDED USES**

Rexar MD95-15FR is a unique two component elastomeric polyurethane lining system specifically formulated to meet the demands of today's defence forces. It is used for providing superior protection for metal, wood, concrete, fibreglass, and other substrates.

Rexar MD95-15FR exhibits high levels of tensile strength, tear strength, impact resistance, scratch resistance and is ideal for applications subject to heavy loads, corrosion and chemical attack.

The Rexar range of products are used by the military for blast mitigation purposes on land and air-borne vehicles, structures and personal protection equipment.

REXAR MD95-15FR is ideal for aviation and military applications requiring flammability compliance.

### **STORAGE AND PROCESSING**

Rexar MD95-15FR is hygroscopic and should be stored in tightly sealed containers away from moisture and direct sunlight. Storage at temperatures between 20 - 30 degrees C will maximise product life.

Rexar is applied using proprietary plural component spray application equipment. Rexar can only be applied by trained and authorized applicators.

Substrates should be prepared in accordance with the Rhino Linings Technical Reference Manual.

For additional information refer to the Material Data Safety Sheet.

### **TYPICAL PHYSICAL PROPERTIES**

Solids by volume:	100%
Shore Hardness	95A
Tensile strength	2100-2200 psi
Elongation	70%
Water Absorption	less than 1.5%
Abrasion Resistance	1.2% (H18 wheel/1000 rev)
Viscosity – Resin	800 cps
Iso	100-200 cps
Gel Time	15-25 seconds
Tack Free / Solid	60 seconds
95-99% Cure	24 hours.
Mix Ratio:	1:2 by volume
Shelf life:	9-12 months unopened

### **DRY FILM THICKNESS**

2mm - unlimited.

### **REACTIVITY**

Tested in cups, 161g comb @ 24°C - 27°C	
Gel	15-25 seconds
Tack-Free/Solid	< 60 seconds
95-99% cure	24 hours

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