

## POLYEURO MH752

Two Component Aromatic Hybrid Polyurethane Protective Coating

### DESCRIPTION

Polyeuro MH752 is a fast set, rapid curing, aromatic, two component hybrid polyurea/polyurethane spray designed to be applied over EPS, wood, and many other surfaces. Its excellent balance of stiffness and impact resistance provides excellent plastic "shell-like" protection for delicate foams and EPS. Polyeuro MH752's chemical design allows fast "user-friendly" application with excellent flow and appearance.

### FEATURES

- ❖ Plastic "Shell-Like" Protection
- ❖ 100% solids
- ❖ Meets USDA Criteria
- ❖ Excellent Thermal Stability
- ❖ Excellent Chemical Protection
- ❖ Excellent Cold Temperature Impact
- ❖ Low Shrinkage
- ❖ Zero VOC
- ❖ Fast Cure
- ❖ High Productivity

### TYPICAL USES

- ❖ Decorations/Props
- ❖ Architectural Shapes
- ❖ Steel coating
- ❖ Food Processing Plants
- ❖ Speaker Boxes
- ❖ Dock Flotation's
- ❖ Wood Pallets/Crates
- ❖ Wood Cabinets

### COLOURS

Neutral. Customs colours are available upon request.

### PACKAGING

10 gallon kit: One 5 gallon pail of Part A and one 5 gallon pail of Part B.

100 gallon kit: One 50 gallon drum of Part A and one 50 gallon drum of Part B.

### COVERAGE

Polyeuro® MH752 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 150 m<sup>2</sup>.

### SURFACE PREPARATION

Refer to general guidelines for complete information.

### MIXING

Polyeuro® MH752 may not be diluted under any circumstances. Use appropriate solvent for solvent purge line and flushing of equipment and if spraying stops for periods exceeding the pot life of the material. Thoroughly mix Polyeuro MH752 Part B Base material with air driven power equipment until a homogeneous mixture and colour is obtained.

### APPLICATION

Both Part A and Part B materials should be pre-conditioned at 24-27°C before application.

Polyeuro® MH752 should be applied using a plural component, heated, high pressure 1:1 spray equipment.

### TECHNICAL DATA

Mix Ratio by Volume	1A : 1B
Pot Life	2-4 seconds
Tack Free Time	60-120 seconds
Recoat Time	0-12 hours
Viscosity at 66.5-71°C Brookfield	Pt A 90 ± 20 cps Pt B 160 ± 20 cps
Density (Pt A & B combined)	9.02 lbs/gal
Flash Point	> 93°C
Hardness, ASTM D-2240	75 ± 5 D
Tensile, ASTM 412-C	37000 ± 200 psi
Elongation, ASTM 412-C	40% ± 20%
Tear, ASTM 624-C	450 ± 50 pli
Service Temperature	-40°C – 148°C

Polyeuro® MH752 may be applied at any ambient temperature. However, the equipment temperature is important. Both Part A and Part B materials should be sprayed at temperatures above 65°C. Adequate pressure and temperature should be maintained at all times.

### EQUIPMENT CLEAN UP

Equipment should be cleaned with an environmentally safe, urethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

### STORAGE

Polyeuro® MH752 has a shelf life of six months from date of manufacture in factory sealed containers.

Part A and Part B drums must be stored above 15°C. Avoid freezing temperatures. Store drums on wooden pallets to avoid direct contact with the ground. If stored for a long period of time, rotate Part A and Part B drums regularly.

### LIMITATIONS

Due to its aromatic composition, Polyeuro® MH752 will tend to yellow or darken in colour and will become flat after exposure to UV light. Polyeuro® MH752 may be topcoated with an aliphatic polyurethane coating for a colourfast finish.

Do not open until ready to use.

### WARNING

This product contains Isocyanates and Curative Material.