



# Custom Linings® POLYCAST 55D

## Two Component Castable Urethane System

### DESCRIPTION

Custom Linings® Polycast 55 is a two component, liquid castable/spin castable urethane system developed in conjunction with WJ Whatley for use in producing proprietary light pole equipment. This system is a 1:1 system, 100% solids and quick set.

### FEATURES

- ❖ Tough and Elastomeric
- ❖ Chemical Resistance
- ❖ Low Temperature Flexibility
- ❖ Abrasion and Impact Resistant
- ❖ Zero VOC
- ❖ Quick Drying

### TYPICAL USES

- ❖ Proprietary to WJ Whatley

### COLOR

Black, Neutral or as required

### PACKAGING

100 gallon kit, packaged in 2 55 gallon drums. Totes by special order.

### MIXING

Custom Linings® Polycast material may be mixed by mechanical mixer (drill with attachment) or via plural component processing equipment.

Polycast may not be diluted under any circumstances.

Thoroughly mix 711 Side-B Base material with air driven power equipment until a homogeneous mixture and color is obtained. Both Side-A and Side-B material should be room temperature before application.

Side-B base material must be thoroughly agitated until a homogenous mixture is obtained. Do not allow air to be incorporated into the product. Total suspension must be achieved. Side-A Isocyanate requires no mixing.

### COVERAGE

Varies

### SURFACE PREPARATION/APPLICATION

General shop/plant procedures are to be followed for mold preparation and application.

### STORAGE/LIMITATIONS

Custom Linings® Polycast has a shelf life of six months from date of manufacture in original, factory sealed containers.

Store drums on wooden pallets to avoid direct contact with the

### TECHNICAL DATA (Based on general laboratory results)

Mixing Ratio by Volume (A:B) .....	1:1
Mixing Ratio by Weight (A:B) .....	118:100
Processing Temperature .....	80-85°F
Mold Temperature .....	80-85°F
Pot Life @ 85°F .....	200 ± 20 seconds
Demold Time @ 80-85°F .....	20 ± 20 minutes
Post Cure Time @ 80-85°F .....	24 hours
Hardness .....	55 ± 3 Shore D
Tensile .....	3000 ± 300 psi
Elongation .....	140 ± 20%
Tear Die C .....	500 ± 50 pli

ground. If stored for a long period of time, rotate Side-A drums regularly.

Polycast can be stored below freezing, however must be brought to room temperature prior to processing.

It may be necessary to mix A and B side materials to bring to a homogeneous mixture prior to processing.

Both Side-A and Side-B containers must be fitted with a desiccant device during use.

### WARNING

This product contains isocyanate and curative material.