



POLYURETHANE COATINGS

PRODUCT DESCRIPTION

HL-550 Polyurethane is a high performance 100% solids, multi-component product exhibiting high thermal and chemical resistance. HL-550 polyurethane offers excellent corrosion, abrasion and high resistance to oils, fuel, and numerous other chemical resistances, all while retaining excellent flexibility. The product can be applied to any dry surface and will form a strong mechanical bond to concrete, asphalt, steel, wood and compacted earthen substrates.

The polyurethane meets and exceeds AER D55 requirements

TYPICAL USE AREAS

Under Compressors
Containment Ponds
Tank Farms
Concrete surfaces

Chemical Loading Facilities
Acid Storage/ Loading Areas
Sulfur Loading Facilities
Wellheads

Barrel Docks
Shop/Warehouse Floors
Wash Bays
Building Roofs

TECHNICAL DATA

Components: A: Activator
B: Base

Volume of Solids: 100%
V.O.C. Content: None

Mix Ratio: 1:1 by volume
Thinner: None required

Film Thickness: Unlimited

Sag Resistance: Excellent

Film shrinkage: < 1% (wet to dry)

Maximum Temperature: 350°F

Maximum Continuous Temperature: 275°F

Dry time: @20°C.

Gel 2-3 minutes
To touch: 30 - 40 minutes
Light Foot: 2 hour
Cured 72 hrs

Allowable ambient air temperature for application:

Maximum: 35°C
Minimum: -40°C

PHYSICAL PROPERTY

TEST METHOD

RESULT

Durometer Hardness, Shore A

ASTM D-2240

90 ± 5

Tensile Strength, PSI

ASTM D-412

1750

Elongation

ASTM D-2370

105%

Tear Strength, Die C, psi

ASTM D-624

205

Impact Resistance
100 mil thickness sample

ASTM D-2794

No cracking

Moisture Vapor Transmission

ASTM E96-80

< 0.10

Elcometer Adhesion

- Steel, PSI

ASTM D-4541

> 1500

- Concrete, (PSI Cohesive failure point)

ASTM D-4541

900



Surface Burning – for fire resistant product

ULC-668

Pass