



# SPEC TEK 6 EPOXY

POOL TEAM SIX

## ■ Description

Epoxy is 100% solids, two component, Epoxy hybrid coating.

## ■ Usage

primarily used for lining water containment structures such as ponds, swimming pools, water features, fountains or man-made lakes.

## Physical Properties

### ■ Weathering

ASTM G-53 (Cycle 1000 hours, initial 93)

60° Final Gardner:

20° Gardner:

Specular Gloss 92

Specular Gloss 77

### ■ Salt Fog

ASTM B-117 (1,000 hours)

No blistering, no discoloration, no loss of adhesion.

### ■ Bend

ANSI B31-8 (Pipe field, 5 mils)

Greater than 1.5° per diameter length.

-17°F, -40°F, > 4° per diameter length at 5°F

### ■ Impact

ASTM D-638 (Gardner 1G-1120, electrically inspected)

-76°F – 40 inch pounds, -26°F – 60 inch pounds, 32° F – 80 inch pounds,

73°F – 160 inch pounds.

### ■ Ultimate Tensile Strength

ASTM D-638

12,000 psi

### ■ Modulus of Elasticity

ASTM D-638

360,000 psi

### ■ Compressive Strength

ASTM D-695

18,800 psi

### ■ Flexural Strength

ASTM D-790

19,360 psi

### ■ Tensile Bond Strength to Concrete

Greater than the internal strength of concrete.

### ■ Tensile Bond Strength to Aluminum

4,020 psi

### ■ Tensile Bond Strength to Steel 2 mils

Anchor pattern, NACE2, near white blasted mild steel (Elcometer model

106 adhesion tester)

>1,100 psi

### ■ Elongation Break Strength

ASTM D-882

9,500 psi

For application to structured surfaces such as concrete, shotcrete, gunite, wood, steel, stone, brick, block, masonry, plastics, aluminum and the like. Epoxy works on most flexible plastics and rubbers.

## ■ Colors

Black Pearl, Coast is Clear, Deep Sea Blue, Tan Sands, Haze Gray, Sea Weed Green, White Coral, and Dolphin Blue.

Upcharge for Custom colors

## ■ Elongation

ASTM D-882

72°F:

3.5%

100°F:

4.0%

110°F:

4.5%

## ■ Boiling Water Adhesion

Unchanged

## ■ Hardness

ASTM D02240 (Shore D)

90

## ■ Scratch Hardness

Gardner Dur-O-Test

650g

## ■ Thermal Shock

10 cycles - 100°F to 350°F

Unaffected

## ■ Dielectric Shock

ASTM D-1000

73°F

180°F

## ■ Abrasive Resistance

ASTM D-4060 (CS-17 wheel, 1,00 g load @ 1,000 cycles))

37.7 mg average weight loss

## ■ Coefficient of Friction

ASTM D-4518

.023

## ■ Flame Spread

ASTM E-84

12.7

## ■ Ecological Information

Acute Lethality Test - PASSED

3 spine stickleback

96 hours:LC50

4.24 g/l

## Application

Application may be applied with a squeegee, roller, brush or by spray. gels sets up in about 1 hour at 72°F.

Allow 24 hours after application, before placing the coating into service.