

# Descoflex Technical Data

## DESCRIPTION:

Descoflex is a coating system that combines the elasticity and toughness of a true membrane forming, two part polyol with the stain resistance and color stability of a 100% solids advanced micro polymer. Descoflex offers crack bridging properties to dampen minor movement of concrete shrinkage, restraint cracking and temperature changes.

## TYPICAL USES:

- Laboratories
- Clean Rooms
- Biotech Areas
- Food & Beverage Facilities
- Pharmaceutical Manufacturing
- Containment Areas

## PHYSICAL PROPERTIES:

<i>Tensile Strength</i> ASTM D-412	>1,200 psi
<i>Tensile Elongation</i> ASTM D-412	>145%
<i>Adhesion</i> ACI 503R	350 psi (100% Conc. Failure)
<i>Hardness, Shore D</i> ASTM D2240	23
<i>Thermal Cycling</i> ASTM C884	No Cracking
Flammability	Self- Extinguishing Over Concrete

**The data shown above reflects typical results based on laboratory testing under controlled conditions.**

**Reasonable variations from the data shown above may result.**

## COLORS:

See Desco color card.

## SERIES

Smooth Substrate - Consists of primer, two coats of Descoflex, top coated with finish as selected below.

Block Substrate - Consists of block filler, recommended by Desco for conditions to be encountered, two coats of Descoflex, top coated with finish as selected below.

## SYSTEM FINISHES:

- Satin An aqueous topcoat for chemical resistance and low sheen.
- Gloss A chemical and wear resistant polymer top coat for chemical and abrasion resistance

## MOISTURE TEST:

Walls and ceilings shall be tested for moisture and pH.

Moisture – Using a Tramax or Protometer verify that substrate is dry before proceeding with application.

Alkalinity – Using a litmus paper test, check for pH range of neutral to 12 before starting work. Block and concrete walls shall have sample area wetted and pH taken while the surface is still saturated.

## PRECAUTIONS

Do not apply systems when temperature is less than 5°F above the dew point.

Do not apply when substrate temperatures are below 50°F or above 95°F. (Material cures slower at cooler temperatures and working time will be substantially reduced at higher temperatures.)

Water from outside sources can cause water whitening of uncured polymer material.

Confirm product performance in specific chemical environment prior to use.

Moisture from reverse side of substrate may lead to coating failure.

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