



# TBS COMPONENT DATA SHEET

## TECHNICAL BARRIER SYSTEMS INC.



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## NEO V II C

### Elastomeric Waterproofing Membrane

#### Description

NEO V II C membrane is an exclusive polymeric elastomer, based on DuPont® Neoprene. Applied by lambs wool applicator or airless spray, this unique polymer forms a tough seamless waterproof membrane with excellent crack bridging capabilities. Neo V II C membrane is used as an intermediate coat and must be top coated with KELMAR®TE, or KELMAR® FWC III, or other floor or deck products, such as seamless epoxy floors, tile or terrazzo.

#### Typical Uses

- For areas where solvent fumes are unacceptable
- Parking structures
- Cold storage rooms
- Computer rooms
- Mechanical rooms
- Balconies
- Showers
- Kitchen
- Wet processing areas

#### Features

- Excellent waterproofing
- Flexible over a wide range of temperatures
- Seamless to insure protection from moisture intrusion
- One component
- High solids
- Low odor
- Non-flammable
- Does not embrittle with age
- Specifically formulated to accept Epoxy Top Coat

#### Limitations

- Membrane must be primed with MONOBOND if exposed to the elements (UV, Rain etc.) for more than 24 hours
- Membrane must be reapplied if surface becomes brown from exposure
- Not for constant immersion
- Must be installed by a TBS Approved Applicator
- Concrete substrate must have laitance removed, by acid etching, or shot blasting
- All surfaces coated with NEO V IIC must be primed with DUALOX or MONOBOND primer
- Substrate and air temperature must be a minimum of 50°F (10°C) during the entire application cycle

#### Theoretical Coverage

- 32 mils wet (20 mils DFT) – 50 sq ft/gal

#### Storage

- Store material in a dry area 50°F to 80°F (10°C to 27°C)
- DO NOT FREEZE

## Physical Properties

<b>Percent Solids</b>	
ASTM C 836	63.5% by weight
<b>Density</b>	10lb/gal (1.2 gm/cc) At 72°F (22°C)
<b>Flammability</b>	Self Extinguishing
<b>pH</b>	
ASTM D 3716	12.3
<b>Viscosity</b>	5,000 cps at 50% relative humidity 72°F (22°C)
<b>Tensile Elongation @ 70°</b>	
ASTM D 412	600%
<b>Peel Adhesion, To Primed Concrete</b>	
ASTM D 903	15 pli (0.27 kg/mm width)
<b>Adhesion, Epoxy To Membrane</b>	
ASTM D 4541	315 psi (2 Mpa)
<b>Ultra-Violet Light Resistance</b>	
ASTM G 25	
Slight Brown	24 hours
Dark Brown	7 days
<b>Recoat Time</b>	12 to 16 hrs@72°F (22°C)
TT-S-00227E	50% relative humidity
<b>Cure Time</b>	12-16 hours@72°F (22°C) 50% relative humidity
<b>Water vapor transmission</b>	
ASTM D1653	0.35 perms 0.88 metric perms

## Safety Precautions

Please refer to product MSDS sheet.