

DESCRIPTION:

Nukote Hydrogrout II is a two-component, moisture-cured polymer that reacts with water to form a strong, rigid, closed cell foam of hydrophobic polyurethane. It is designed as a water cut-off and to fill large voids and cracks in stone or concrete.

FEATURES:

- Stops Wash-Out Through Joints
- Prevents Water Infiltration

TYPICAL USES:

- Pipes, Tunnels
- Subways, Sub-grade structures
- Sewers, Manholes, Reservoirs, Seawalls
- Remedial water stop, Grouting joints, Tieback anchors

COLORS:

Side A: Dark Brown

Side B: Clear

PACKAGING:

5 1/2-gallon (21-liter) kits, 5 gallons (19 liters) pails of Side-A and one 1/2 gallon (2-liter) container of Side-B.

STORAGE:

Twelve months in factory delivered, unopened containers. Store on pallets and keep away from extreme heat, freezing, and moisture. Store between 60-95 °F (15-35 °C)

TECHNICAL DATA (All values @ 77 °F / 25 °C)	US	Metric
Solids by volume (ASTM D2697)	100%	100%
Volatile organic compounds (ASTM D2369)	0 lb./gal	0 gm/ lit
Specific Gravity of materials (ASTM D1638)	A: 9.3, B: 8.35 lbs./gal	A: 1.11, B: 1.00 kg/ liter
Viscosity at 77° F/25° C in cps ±10% (ASTM D1638)	A-150 ± 40, B-20 ± 5	A-150 ± 40, B-20 ± 5
Shelf life @ 77 °F /25 °C	12 months	12 months
Solubility in Water	Not soluble	
Expansion	1500-1800 %	
Flash point (ASTM D93)	A: 356, B: 101 °F	A: 180, B: 38 °C
Corrosiveness	Non- corrosive	
PROCESSING PROPERTIES (Under standard lab conditions)		

Mix Ratio V/V	10 A:1B
Induction time	20 to 30 seconds
Gel time	2 to 3 minutes
Post cure time	24 hours
<i>Properties and values are highly dependent on equipment, spray gun, mix chamber temperature, pressure and related parameters. Variations are possible and expected.</i>	

MIXING:

The volume mixing ratio is 10 parts Side-A to 1 part Side-B.

Before application, pre-mix Side-A and Side-B. All equipment used to mix the material must be dry to prevent the Nukote Hydrogrout II from reacting. Mix Side-A and Side-B together in a ratio of 10A: 1B and place it in the injection pump or pour it directly into the joints.

Since the Nukote Hydrogrout II mixture will only activate when it comes in contact with water, it does not need to be used immediately. However, the surface may harden which will then need to be removed before the unhardened material may be used normally.

The Nukote Hydrogrout II foam hardens in approximately 3 minutes at 68°F (20°C).

EQUIPMENT CLEAN UP:

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

LIMITATIONS:

Do not open until ready to use, and store in a sealed container after opening. Adding a nitrogen blanket is strongly recommended for the 'A' component when storing after opening.

WARNING:

This product contains Isocyanate.

WARRANTIES AND DISCLAIMERS:

Nukote Coating Systems International, a Nevada, USA Corporation warrants that the two components of this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper mixture and application of the components by the applicator. Nukote Coating Systems has no role in the application of the finished polymer other than to manufacture and supply its two components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of plural component equipment and application of plural component materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Nukote Coating Systems International and executed under seal by a company officer.