Typical Data: (Material and curing conditions @ 73°F (23°C) and 50% R.H.)
Results may vary based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual Site conditions and curing conditions.

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DRY FILM THICKNESS</th>
<th>APPLICATION METHOD</th>
<th>THINNER</th>
<th>CLEAN UP</th>
<th>DRY TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramic Polymer (siloxane)</td>
<td>10-15 Microns on average</td>
<td>Short Nap Roller, Soft Brush, Fine Tip Airless Sprayer</td>
<td>Thin only more flow-out is needed with flow agent</td>
<td>Denatured Alcohol</td>
<td>1-2 Hours 70°F, 50% RH</td>
</tr>
</tbody>
</table>

**PRODUCT DESCRIPTION**

nProtech n775 is a silicon-ceramic treatment designed to provide maximum protection to, pavers, stone, paint, fiberglass, plastic, fabric and masonry against staining, microbial growth, UV exposure, acid rain, and other airborne pollutants associated with industrial and marine environments. Its water-clear film seals and rejuvenates faded and oxidized paint films and ensures long-term protection from UV radiation, chemical attack and mildew growth.

nProtech n775 restores chalked, flaked, UV-damaged, and oxidized coatings by re-bonding the coating to itself. nProtech n775 is an excellent sealer for tile, grout, VCT tile, vinyl tile, marmoleum, granite, marble and pool tile. It restores the surfaces to near original color and gloss and brings out the color in stone and masonry. It may also be used to protect non-metals like tile, plastic, and glass surfaces for improved hygiene, staining resistance and mitigation of nosocomial infections. The smooth, tough, inorganic and positive-potential nature of a nProtech n775-treated surface resists attachment and growth of mold, algae, fungus, and some bacteria. This creates a hydrophobic and easy-to-clean surface.

**WHERE TO USE**

- Non-Ferrous metals, decoratively treated metals, balcony preservation
- Tile, grout, masonry, stone, VCT tile, vinyl tile, marmoleum, granite, marble, fiberglass, glass, plastic, fabric, countertops
- Painted surfaces, metal roofs, submerged non-ferrous metals
- Safety equipment, pool tile, anti-graffiti for sign and sign refurbishment
- Marine metals, outdoor and indoor fabrics, flags

**PRECAUTIONS FOR PAINTED SURFACES**

Apply nProtech n775 over clean painted surfaces that are weathered, slightly oxidized, and fully cured to assure adhesion. Solvent-based organic coatings can take up to 2 weeks to fully cure. If a topcoat is fresh, wait at least 2 weeks before sealing and fortifying with nProtech n775. Check the cure of the paint by wetting a swab with isopropyl alcohol and rubbing the swab several times over the surface. If no pigment comes off on the swab, the paint is sufficiently cured. This is especially important for hybrid siloxanes/silicones, paints like silicone alkyls and alkyl enamels, and for chemically resistant paints like polyurethanes. Surfaces that are still glossy should be dulled with 440 grit sandpaper. nProtech n775 is best applied over sound, clean (“Surface Preparation”) paint. A loose or flaking topcoat showing poor substrate or inter-coat adhesion cannot be restored with nProtech n775 alone. All loosely adhering paint should be removed by hydro-blasting, scraping, or light abrasive blasting before applying nProtech n775. Barrier coatings over steel should be touched up preferably using nProtech n775 Anti-Corrosion Treatment prior to sealing with nProtech n01. Assure sufficient barrier film thickness exists, especially at edges and corners of steel equipment or structures operating in corrosive environments.

**SURFACE PREPARATION**

The surface to be coated must be clean, dry and free from dirt, oily residue, grime, loose oxidation, spores (mildew) or any other surface contaminate that could affect product performance. It is imperative to fully and completely clean the surface, as nProtech n775 adheres by covalent and mechanical bonding and must gain intimate contact with the surface. Clean the surface by liberally applying a good cleaner such as Dawn Dish Detergent or Simple Green. Masonry, pavers, and stone may be cleaned with a high-pressure power washer with soap injection. This method is very effective when cleaning large surface areas. Rinse thoroughly with clean water. Allow the surface to dry completely before applying nProtech n775.
**MIXING & CATALYZING**

**WARNING:** Alcohol vapors are flammable. No smoking or hot work within 50 feet.
**WARNING:** Methanol vapors are hazardous. Assure sufficient ventilation and wear PPE (respirator, eye protection, gloves). See MSDS.

**nProtech n775** is a three-component material and must be properly mixed for curing to occur. This product is packaged, in kit form, with separate containers for the A, B & C components. To mix quart and smaller kits:

1. Pour Part B into the carafe bottle labeled Part A. Shake lightly for 10 seconds and set the bottle down.
2. Notice an exothermic heat reaction begin. This is normal and the bottle will reach about 120 degrees. Periodically remove the cap to release reaction vapors (alcohol). Shake lightly after 30 minutes. After 55 minutes go to step 3.
3. Next, add the C component liquid into the admixture of the A & B components. Shake for 15 seconds and let sweat for 15 additional minutes before using.

Pot life of mixed material is 6 to 8 hours timed from the end of the 15-minute induction period. Keep container closed when not in use. Unused product may be frozen to reserve the remaining pot life. Put frozen bottle in warm water to bring to room temperature before using.

**APPLICATION**

**WARNING:** Alcohol vapors are flammable. No smoking or hot work within 50 feet.
**WARNING:** Methanol vapors are hazardous. Assure sufficient ventilation and wear PPE (respirator, eye protection, gloves). See MSDS.

**ROLLER:** Use a short nap adhesive or mohair roller cover with a solvent resistant core. Pick up a small amount of material into the cover and gently apply using a series of one directional roller strokes. Avoid over rolling the material and avoid working back into partially set material. Maintain a functional working wet line during application and roll to natural breaks. Always mask, and protect surfaces not to be coated.

**BRUSH:** Small surface areas or cut in edges can be blended in using a natural hair bristle brush or disposable foam applicator provided the initial application is still freshly wet. This may only be within several minutes in outdoor applications. This coating CANNOT be over coated, so if the desired effect is not reached wash the coating off with denatured alcohol before dry and recoat.

**SPRAY:** Follow spray equipment instructions and use a small tip capable of laying down approximately 1 to 1.5 mils wet on a non-porous surface. On porous surfaces insure reasonable penetration.

**CURING INFORMATION**

**nProtech n775** cures by cross-linking mechanisms and may take up to 7 days for complete curing to occur. Whereas these treatments dry to touch in 1 to 2 hours and are serviceable when completely dry to the touch. However, the 7 day cure cycle must be allowed before submitting these treatments to all cleaning, chemical or solvent exposures or immersion in water. After 7 days cure time, these treatments may be readily cleaned using just water and mild detergent cleaners only. Do Not Apply if rain, fog or heavy dew is imminent within 12 hours of product installation. Do Not Mix or Apply if the temperature will drop below 50ºF at any time during application or within 12 hours of product installation.

**CLEAN UP**

Application tools and spray equipment should be cleaned denatured alcohol. Flush the pump, hose, pressure pot and gun thoroughly until all product has been cleaned from the spray system. Remove the tip and nozzle and clean thoroughly before replacing onto the gun. Clean up drips, spills or over spray with denatured alcohol. Wipe up drips, spills or over spray before the product dries to touch. Always dispose of alcohol-saturated cloths in a safe and proper manner.

**PRODUCT YIELD**

The yield of product varies with substrate condition and application method. The yield can be as high as 1,400 ft² on non-pours surfaces such as metals as low as 400 ft² per gallon on porous pavers. Actual field conditions will dictate product yield.
### SAFETY

Always wear safety goggles, nitrile gloves, and protective clothing when working with nProtech chemical ceramic glasses and cleaning products. Ensure adequate ventilation. When needed, use a carbon-filtered respirator (NIOSH/MSHA Black Cartridge) for added respiratory protection. Prohibit open flames or hot work within 50 feet of mixing or application. Always read specific label cautions and MSDS before working with nProtech products. Always have MSDS on file and available at the job site.

### FIRST AID

**Eye contact:** Immediately flush with clean water for 15 minutes. Get medical attention.  
**Skin contact:** Washing at mealtime and end of shift should be sufficient.  
**Inhalation:** Remove to fresh air. Get medical attention, if ill effects persist.  
**Oral:** Get medical attention, immediately. If conscious, induce vomiting. Lie down, keep warm and cover eyes to exclude light sources. Treat the same as methyl alcohol poisoning.

### CLEAN UP / CONTAINMENT

Wear protective clothing, as described in Safety Instructions Section. Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide dikes or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as, clean water hosing, high-pressure power washing or steam cleaning.

### CONTACT INFORMATION

Umbrella Surface Technologies Inc.  
1040 South Service Road, Suite 4, Stoney Creek, Ontario, Canada L8E 6G3  
905-719-5783 | info@umbrellasurfacetech.com | www.umbrellasurfacetech.com

### NOTES

The information herein is general information designed to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy themselves as to contents and suitability for their specific applications. We warrant that our products will meet our written specifications. Nothing herein shall constitute any other warranty express or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is limited to replacement of our materials and in no event shall we be liable for special, incidental or consequential damages. This revision supersedes previous documentation.