



### Application Guide

#### **BDT-2663 Nano-Ceramic “Renewable Clear Non-Stick Coating”**

#### **For use with Food contact surfaces, (FDA compliant).**

BDT-2663 is a nano-ceramic non-stick clear, that when applied correctly offers an unparalleled Non-Stick surface that is renewable as needed.

- For proper application of the BDT-2663 Nano-Ceramic Non-Stick coating material, the intended surface, (metals, plastics or other coatings), must be clean and free from oils, dirt and any other previous contaminants that may have been on the surface.

#### **Wipe on application:**

- BDT-2663 is normally used on surfaces where one or two applications are all that is necessary to seal the surface. The coating may be applied by a simple wipe-on or a dip method over a variety of surface types.
  - **Step 1** -- Apply BDT-2663 with a dampened high density foam pad or a lint free application cloth or similar.
  - Allowing it to fill the surface pores or scratches.
  - With very light pressure move across the surface leaving a thin wet film that is about 2-3 microns DFT in thickness.
  - A thicker application is “not better” – thin is best.
- BDT-2663 will air cure at ambient temperatures, normally becoming useable within 15- 30 minutes after application at approximately 70 F. Though a longer 4-6 hrs ambient cure will result in a tougher and more chemical resistant non-stick finish.
- Faster full curing of the BDT-2663; subjecting the coated surface to free flowing air of approximately >110°F (43°C) until the coating achieves “dry to the touch” then the temperature can be elevated to >150°F (65°C) for an additional 20 minutes or more.
- BDT-2663 will adhere or re-bond to itself, once the original BDT-2663 non-Stick surface is damaged from use or abusive cleaning practices.