

# BIO-CRYL® 651



Thin Film Technology, Inc.

## PRODUCT DATA SHEET

**BIO-CRYL™ 651** is a 100% acrylic, water reducible, corrosion resistant coating for industrial use. Designed for both new construction and maintenance use, it can be used directly over prepared metallic or coated industrial surfaces.

### **BIO-CRYL™ 651 Properties:**

- Chemical Resistant
- Corrosion Resistant
- Fast Dry
- Low Odor, Low VOC
- Flash rust/Early rust resistant
- Interior or Exterior use
- Single component
- Outstanding ease of application
- Water clean up

## RECOMMENDED USES

**PROTECTIVE COATING:** Over steel, galvanizing, wood, aluminum, concrete, other coatings

**UV RESISTANT COATING**

**USDA FACILITIES and HIGH PERFORMANCE ARCHITECTURAL APPLICATIONS.**

## TECHNICAL INFORMATION

VEHICLE TYPE .....	100% acrylic resin
PIGMENTATION .....	Color/Inert
COLORS .....	Wide Range including Safety Colors
FINISH .....	Semi-Gloss
THINNER .....	Not normally required – water if necessary
CLEANER .....	Water
MIXING RATIO .....	NA – single component
INDUCTION TIME .....	Not required
POT LIFE .....	NA – single component
FLASH POINT .....	Over 200°F
SOLIDS BY VOLUME .....	38%
SPREADING RATE/GAL.....	244 sq.ft./gal @ 2.5 mils dft
DRY TIME, (Dust free) .....	1 hour at 77°F
APPLICATION METHOD.....	Brush, roller, airless or conventional spray
STORAGE CONDITIONS.....	Normal, Avoid Freezing
VOC .....	<250 g/L; 2.08 lb/gal

## APPLICATION NOTES

**SURFACE PREPARATION:** Surface must be clean and dry, and in sound condition. Remove all oil, dust, dirt, loose rust, and other foreign matter to ensure adequate adhesion. Do not use hydrocarbon solvents such as regular paint thinner for cleaning since these may leave an incompatible residue which will reduce adhesion.

**MIXING PROCEDURE:** Mix well in can or pail to ensure homogeneity before application.

**APPLICATION:**

- 1) Use a brush or roller to apply from a tray for a coverage rate of about 250 sq.ft. per gallon.

Nylon/Polyester brushes  
3/8" woven solvent resistant core  
No reduction – apply straight from can

- 2) Apply by airless spray using the following equipment setup:

Spray Unit: All Graco commercial units or similar equipment  
Mix ratio: single component  
Fluid pressure: 1,500 psi  
Fluid temp: ambient  
Filters: 60 mesh  
Tip size: .017" -.021" orifice  
Reduction: Add up to 12.5% water as necessary

**CURING BEFORE SERVICE:** **BIO-CRYL™ 651** will be hard and fully functional within 24 hours. However, it will be about 30 days at 77° F before it is fully cured.

WE URGE YOU TO READ THE MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USING PRODUCT AND TO CALL THIN FILM TECHNOLOGY, INC. AS NECESSARY FOR ADVICE OR INFORMATION BEFORE ANY ACTUAL OR CONTEMPLATED APPLICATION.



Thin Film Technology, Inc. • PO Box 580669 • Houston TX 77258-0669  
(713) 910-6200 • Fax: (713) 910-6210 • Mobile (281) 802-0723  
Email: [jeff@thinfilmtech.net](mailto:jeff@thinfilmtech.net) • Website: [www.thinfilmtech.net](http://www.thinfilmtech.net)

SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

WARRANTY DISCLAIMER: The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. However, as we have no control over the use to which this information is put, no warranty, express or implied, is intended or given. We assume no responsibility whatsoever for coverage, performance, or damages, including injuries resulting from use of this information or products recommended herein.