



**VINAVIL**<sup>®</sup>  
Your Partner in Polymers

# CRILAT 4747

**CRILAT 4747 is a water-based styrene-acrylic copolymer emulsion developed for the direct-to-metal coating market. Coatings formulated with CRILAT 4747 feature excellent anti-corrosive properties.**



**The main characteristics of coatings formulated with CRILAT 4747 are:**

- Excellent corrosion resistance (both flash rust and salt fog resistance)
- High gloss
- Excellent adhesion to ferrous, steel, aluminum and galvanized substrates in both wet and dry states
- Excellent adhesion to HIPS (high impact polystyrene)
- Excellent pencil hardness and block resistance
- Very good chemical resistance

**APPLICATIONS**

CRILAT 4747 is suitable for formulating corrosion-resistant paints and coatings. It is highly versatile, compatible with commonly used coalescents (such as DPnB and Texanol) and other raw materials.

# CRILAT 4747

## Typical Values

Solids content	49%
Brookfield viscosity	900 cps
pH	8.5
Minimum film-forming temperature	+45°C
Glass transition temperature	+47°C

## Guideline Formula

### High-Gloss Corrosion Resistance For DTM

	% wt
WATER	3.9
OROTAN 681	1.2
SURFYNOL 104E	0.3
AMMONIUM HYDROXIDE 28%	0.5
BYK 024	0.4
TITANIUM DIOXIDE R706	21.4
CRILAT 4747	56.1
WATER	3.2
AMMONIUM HYDROXIDE 28%	0.2
ACTICIDE MBS	0.2
WATER	4.0
SODIUM NITRITE 4%	1.0
RHEOTECH 3800	0.5
DOWANOL DPNB	7.0
TAFIGEL PUR 80	0.1
<b>TOTAL</b>	<b>100.00</b>

## Paint Properties

### CRILAT 4747

RVT Brookfield viscosity	3300 mPaxs
pH	8.53
Adhesion cross-cut test (0 worst to 5 best)	Zinc: 5 Aluminum: 5 Iron: 5 Steel: 5
Gloss	20°: 51.2 60°: 80.0
Persoz hardness	87 seconds in 24 hours

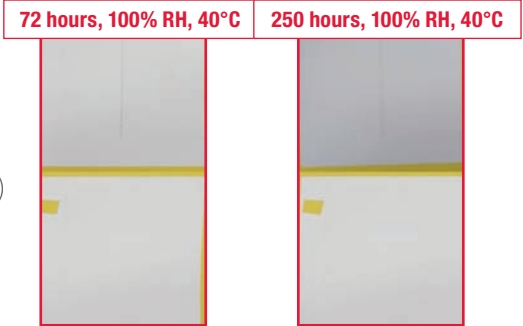
[www.vinavil.com](http://www.vinavil.com)

MKT: 18-1459

## High-Performing DTM paint

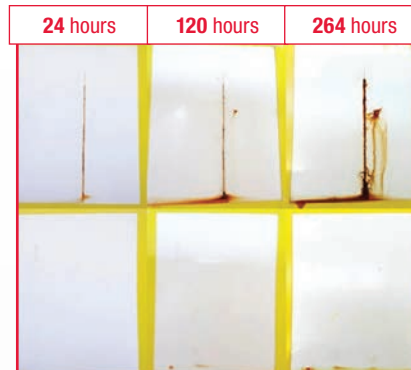
### Humidity Test

No blister formation  
No rust formation  
No crack formation  
Perfect adhesion (cross-cut)  
after 250 hours



### Salt Fog Test (ISO 9227)

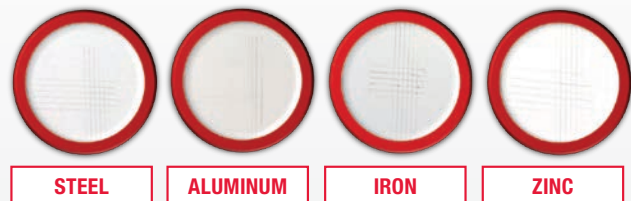
One coat of paint applied on steel (smooth finish) at 200 µm wet (~120 µm dry)



- No blister formation
- Minimum rust formation
- No crack formation

### Cross-Cut Adhesion

Perfect adhesion on different metal substrates



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