

# Trying To Solve Cratering Issue In Your Coating?

Swipe 

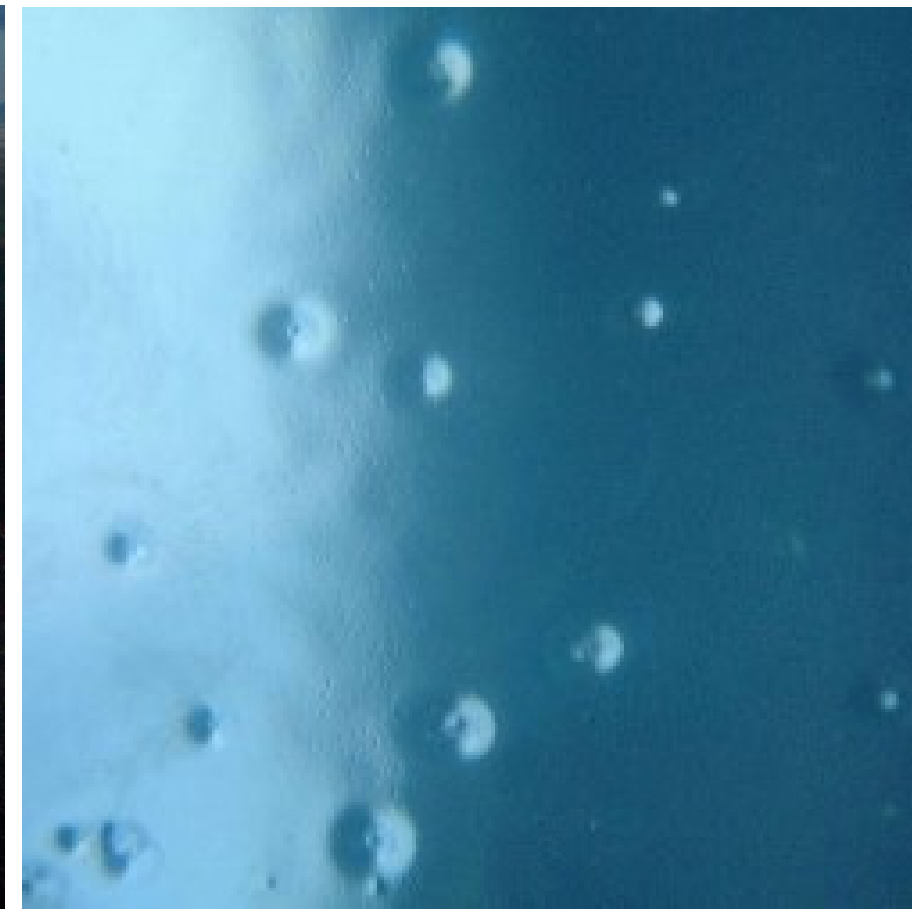
# What's Cratering?

Cratering is a common defect in Paints & Coatings.

It occurs when surface tension forces cause small depressions or pits in the coating.

Occurs especially in coatings with low film thickness, and it can ruin your product's quality.

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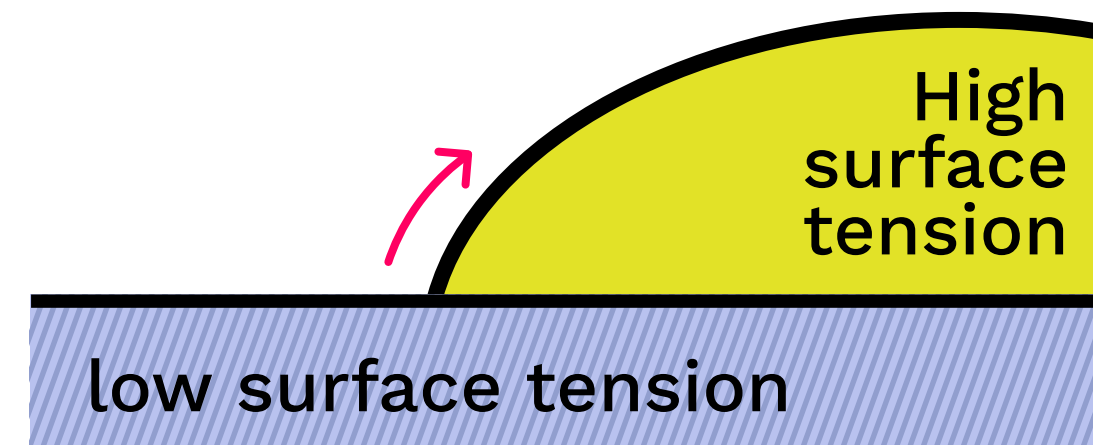
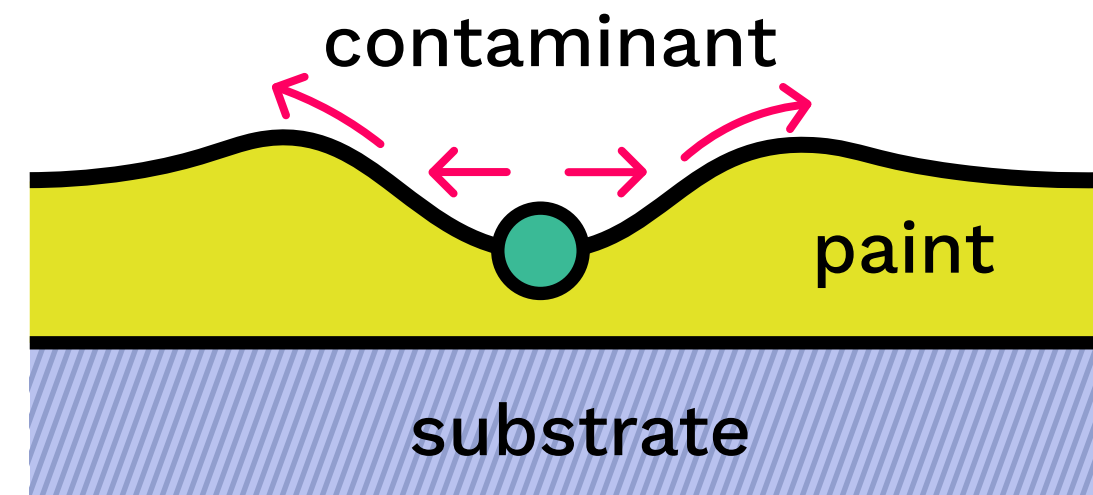
Just like how meteor craters have a pit with “shoulders”,  
craters in coatings also display the same attributes

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# Why does it happen?

It occurs due to surface tension forces which are aggravated by:

- **Contaminants**
- **Improper application techniques**
- **Overspray**
- **Incompatibility between layers**
- **Improper surface wetting**



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# Preventive Measures

## Clean Surfaces

Ensure surfaces are contaminant-free

## Controlled Environment

Apply coatings in a dust-free area

## Use Surface Additives

They lower surface tension and improve wetting



## Our Expert Advice

### **Even Application**

Consistent film thickness ensures a perfect finish

### **Temperature Control**

Proper baking temperature helps in good adhesion

### **Optimize & Rationalize Additives**

Choose the right additive that gives the best results for anti-cratering



Swipe To Reveal 

# OPTIME's Recommended Additives for Anti-Cratering

## Solvent Base **493U**

An organically modified **Polyether Polysiloxane Levelling Agent** that gives strong surface reduction & excellent substrate wetting thereby acting as a very good anti-crater additive

## Water Base **352W**

A **non-ionic** hyper-branched **Polymeric Wetting & Leveling agent**, effective in a wide variety of emulsion resins, with excellent substrate wetting performance thereby acting as an effective anti-crater additive



# Perfect your Coatings With **OPTIME**

YOUR NEEDS  
OUR EXPERTISE  
POSSIBILITIES

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