

# ACID CATALYST

## Application

General Industrial, PCM, Automotive paint, Can coating etc



## Advantages

- Shorter & lower curing time
- Improved hardness, gloss and corrosion resistance
- Improved mechanical properties



## Acid Catalyst

| YCURE  | Acid  | Active (%) | Acid value | Application/Uses  |
|--------|-------|------------|------------|---|
| AC 300 | DDBSA | 40         | 75 ± 5     | Fast cure response & Increase hardness<br>Use in coil coating (Especially for construction fields)<br>Min Cure: 130°C |
| AC 320 | DNNSA | 50         | 62,5 ± 2,5 | General purpose catalyst for Coil coating<br>More faster cure response & Good chemical resistance<br>Min Cure: 125°C  |
| AC 330 | P-TSA | 40         | 135 ± 5    | Fast cure response<br>Used in General Industrial & Automotive Coatings<br>Min Cure: Room temp.                        |
| AC 340 | P-TSA | 40         | 135 ± 5    | Commonly used in Can coating<br>due to the sensitivity (Two active acids)<br>Min Cure: Room temp.                     |

## Blocked Acid Catalyst

| YCURE  | Acid           | Active (%) | pH        | Application/Uses  |
|--------|----------------|------------|-----------|---|
| BC 500 | DNNSA          | 30         | –         | Improved chemical resistance (Anti-Acid & Alkali)<br>Min Cure: 150°C        |
| BC 510 | DNNSA          | 21         | 7.0 ± 1.0 | The best for Automotive coating<br>Min Cure: 150°C                          |
| BC 530 | DNNSA          | 25         | 7.0 ± 1.0 | The best catalyst for Coil coating<br>Min Cure: 150°C                       |
| BC 540 | DDBSA          | 25         | 6.8 ± 1.0 | General purpose catalyst for Coil coating<br>Min Cure: 120°C                |
| BC 550 | DDBSA          | 25         | 6.5 ± 0.5 | Used in Automotive coating due to the high gloss<br>Min Cure: 120°C         |
| BC 600 | P-TSA          | 20         | 3.0 ± 0.5 | Best storage stability among the P-TSA type acid catalyst<br>Min Cure: 80°C |
| BC 620 | P-TSA          | 25         | 6.0 ± 0.5 | Suitable for General Industrial & Automotive coating<br>Min Cure: 80°C      |
| BC 630 | P-TSA          | 25         | 6.5 ± 0.5 | Fast cure response<br>Min Cure: 80°C  |
| BC 640 | P-TSA          | 20         | 6.5 ± 1.0 | Amine blocked P-TSA<br>Min Cure: 80°C                                       |
| BC 650 | P-TSA          | 30         | 6.5 ± 1.0 | Amine blocked P-TSA catalyst<br>Min Cure: 80°C                              |
| BC 660 | Acid Phosphate | 25         | 7.0 ± 0.5 | Blocked phosphate for high NH/polymeric melamine<br>Min Cure: 80°C          |