

# High performance synthetic thickeners & dispersing agents

|                   | Characteristics                |                                 |                  | FDA & BfR Status |             |             |        | Rheological Performance |                       |                 | Key Features |  |
|-------------------|--------------------------------|---------------------------------|------------------|------------------|-------------|-------------|--------|-------------------------|-----------------------|-----------------|--------------|--|
|                   | Products                       | Description                     | Solids Content % | pH               | FDA 176-170 | FDA 176-180 | BFR 36 | COE AP (2002) 1         | Thickening Efficiency | Water Retention |              | High Shear Viscosity   |
| Thickeners        | Rheocoat™ 27                   | ASE                             | 30               | 5                | yes         | yes         | yes    | yes                     | 👉👉                    | 👉👉👉👉👉           | Medium low   | Outstanding water retention additive   |
|                   | Rheocoat™ 35                   | ASE                             | 31               | 3                | yes         | yes         | yes    | yes                     | 👉👉                    | 👉👉👉             | Medium       | Versatile thickener for coating colors   |
|                   | Rheocoat™ 66 SN <sup>New</sup> | ASE                             | 31               | 4.5              | yes         | yes         | yes    | yes                     | 👉👉👉                   | 👉👉👉👉            | Medium       | Balanced water retention and thickening efficiency   |
|                   | Rheocoat™ 93                   | HASE                            | 30               | 5                | yes         | yes         | yes    | yes                     | 👉👉👉👉                  | 👉👉              | Very Low     | Strong shear thinning behavior, reduce blade loads   |
|                   | Rheocarb™ 101                  | Steric RM*                      | 25               | 6                | yes         | yes         | yes    | yes                     | 👉                     | 👉👉👉             | Low          | Unique rheological behavior providing superior gloss and runnability   |
|                   | Rheocarb™ 121                  | Steric RM*                      | 24               | 6                | yes         | yes         | yes    | yes                     | 👉👉                    | 👉👉👉👉            | Medium       | Thickening power with the benefits of Rheocarb™ technology   |
|                   | Rheocarb™ J 40                 | Alcoylated Watersoluble Polymer | 25               | 6                | yes         | yes         | yes    | yes                     | 👉👉                    | 👉👉👉             | Low          | Designed for Ink Jet coating colors, compatible with ionic additives, superior runnability and printing      |
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| Dispersing agents | Topperse™ LC N                 | Anionic Soluble polymer         | 42               | 8                | yes         | yes         | yes    | yes                     |                       |                 |              | Versatile dispersing agent for coating colors  |
|                   | Topperse™ GX N                 | Anionic Soluble polymer         | 42               | 7.5              | yes         | yes         | yes    | yes                     |                       |                 |              | Efficient at very low dosage<br>Designed to obtain stable high solids slurries (CaCO <sub>3</sub> and Clays) |
|                   | Topperse™ JX A                 | Soluble polymer                 | 40               | 4                | yes         | yes         | yes    | yes                     |                       |                 |              | Designed for Ink Jet formulations - Compatible with cationic and anionic additives                           |

ASE: Alkali Swellable emulsion  
 HASE: Hydrophobically modified Alkali Swellable Emulsion

**\* Steric Rheology Modifier Based on Coatex proprietary Rheocarb™ Technology**