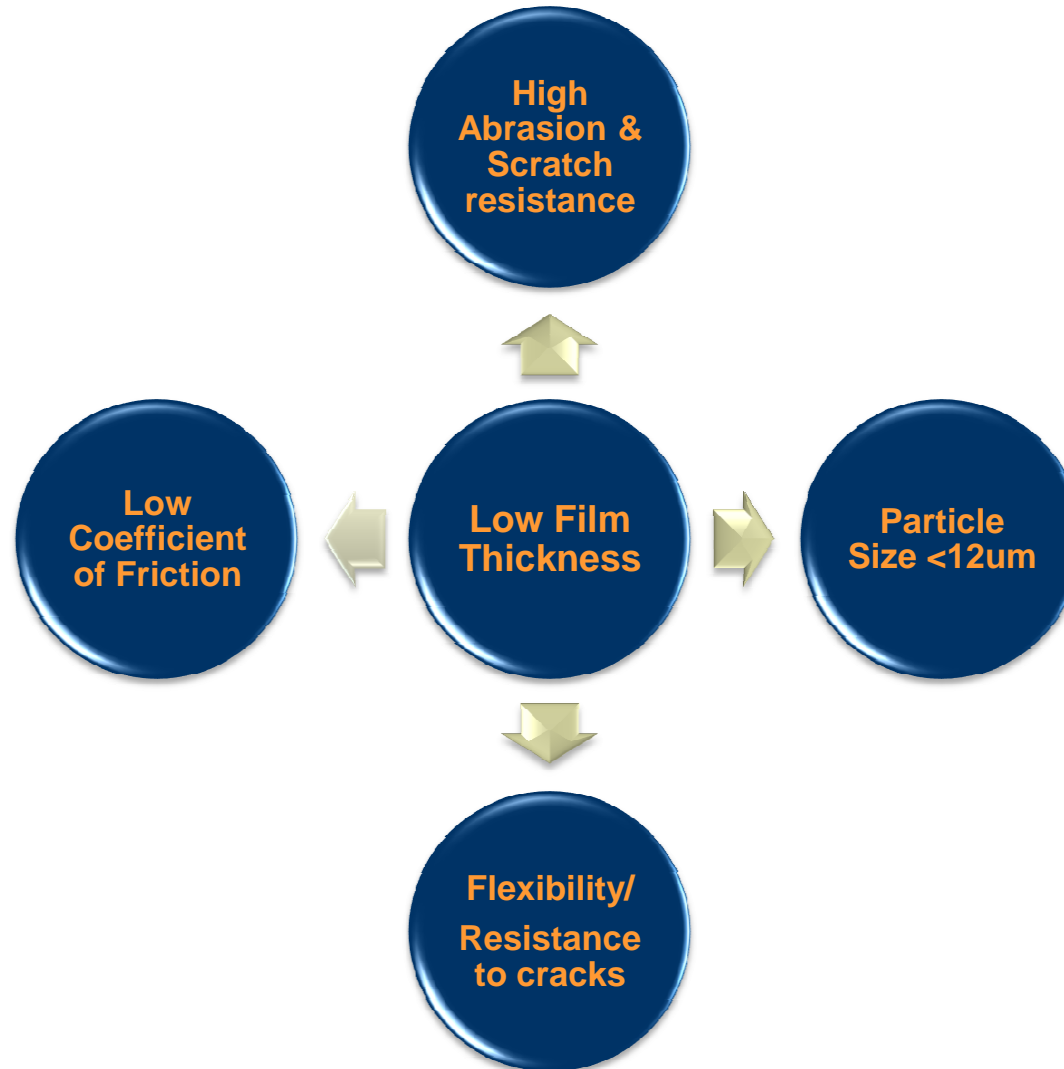


ORGASOL® Ultra-Fine Powders Applications

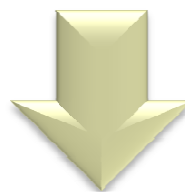
Can Coating



Requirements in Can Coating



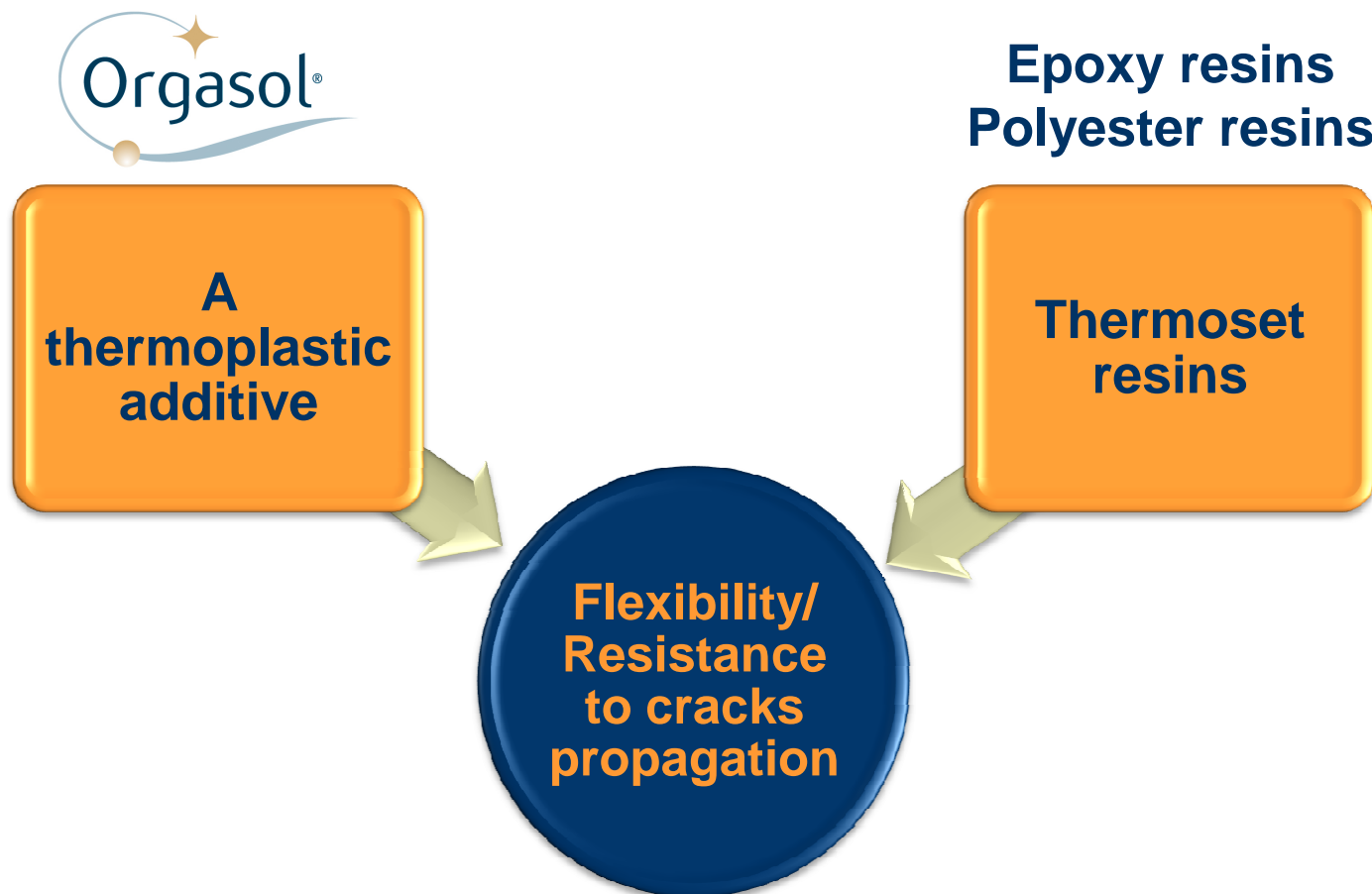
Orgasol in Can Coating



**An additive to combine
Flexibility & Abrasion/Scratch Resistance**

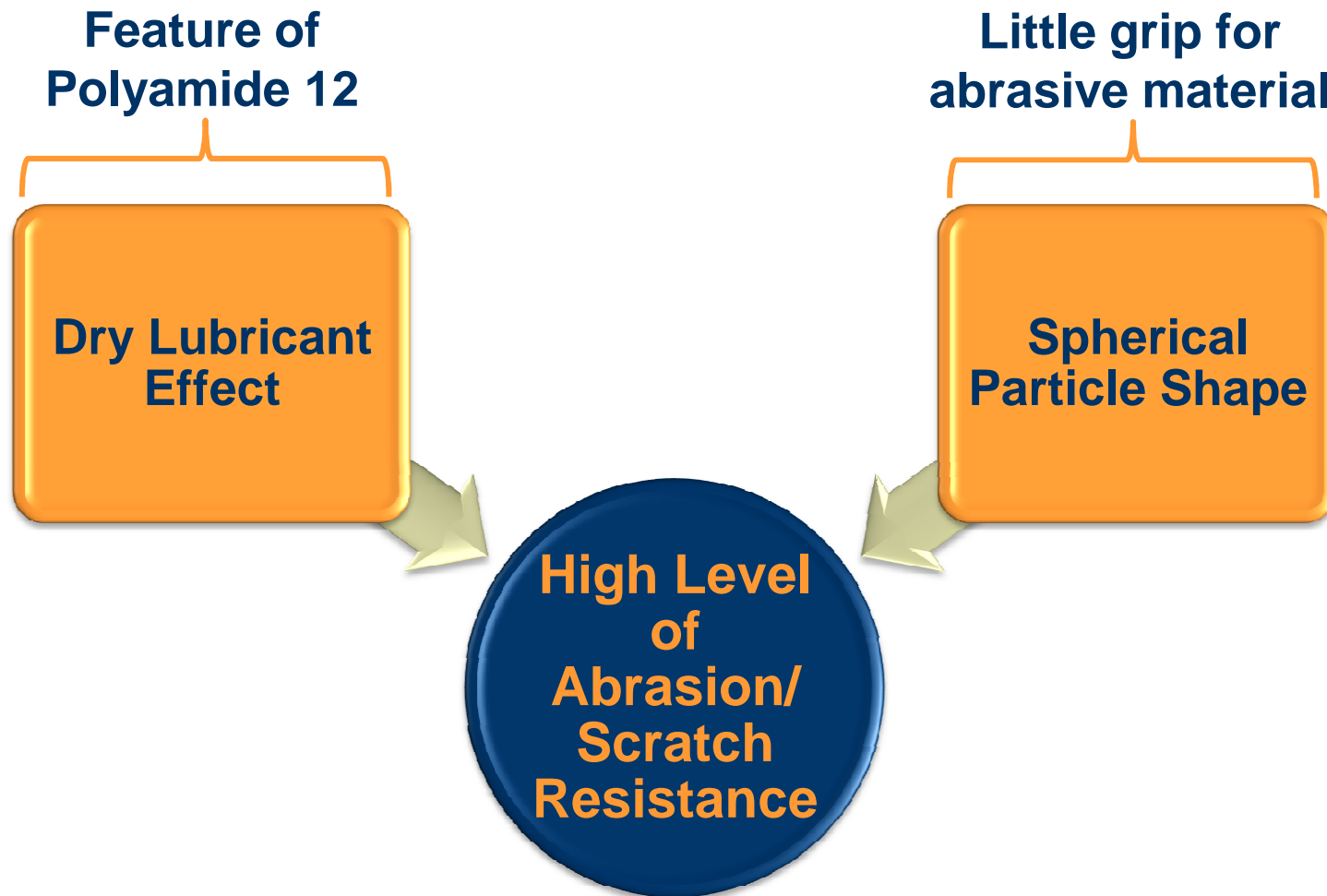
Recommended Grades: 2001 UD NAT2 & 2002 EXD NAT1

Orgasol® and Flexibility



Orgasol® plays the role of a toughening agent

Orgasol® and Abrasion/Scratch Resistance



Assets of Orgasol®



- **2 Orgasol® Grades:**

- with an average particle size < 12µm
- FDA approved (177-1500 and 175-300)

➡ **2001 UD NAT2 and 2002 EXD NAT1**

- **Easily dispersed in epoxy, phenolic, acrylic, polyester formulations, as well as solvent based, water based and 100% solid UV/EB curable formulations**

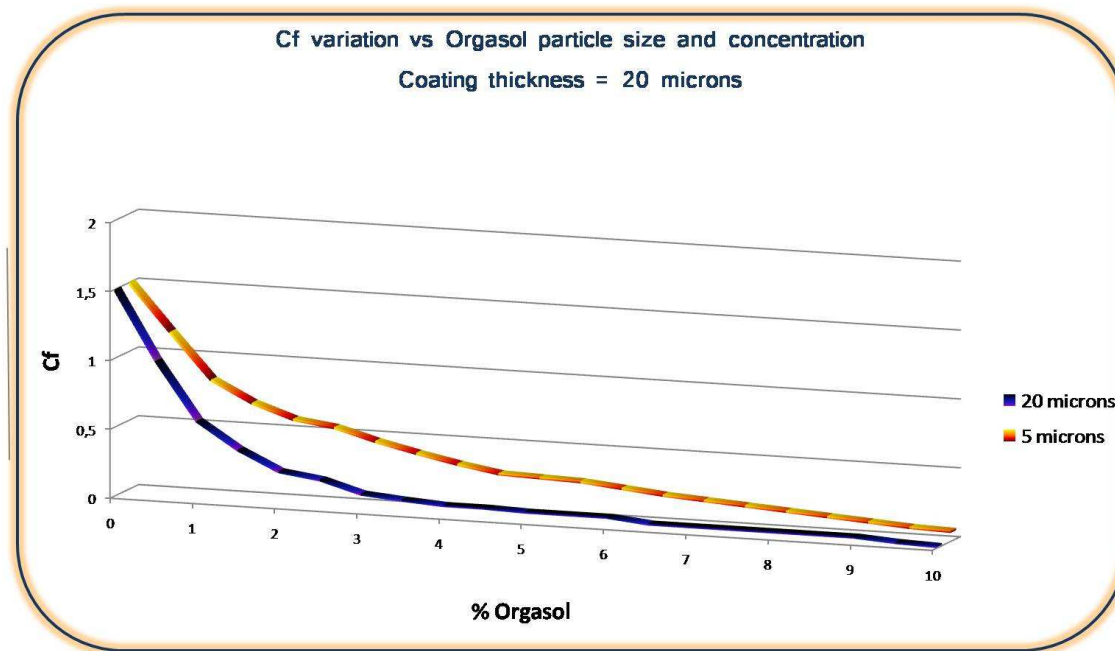
- **Used in External and Internal coatings**

- **Internal :**
 - protection of the coating against scratch and abrasion during can process manufacturing (after coating application)
 - Improve the toughness of the epoxy-based internal coating
- **External : better scratch and abrasion resistance of external decorative coating**

Assets of Orgasol®



- **Orgasol® decreases Coefficient of Friction of the coating**
 - Specially in combination with waxes (PTFE and PE-PP)
 - Facilitate cans processing on the feeding lines



- **Do not modify the corrosion resistance and the adhesion of the coating**

Impact on Gloss Level



At Low Incorporation Level (< 1,5%):

No modification of gloss level

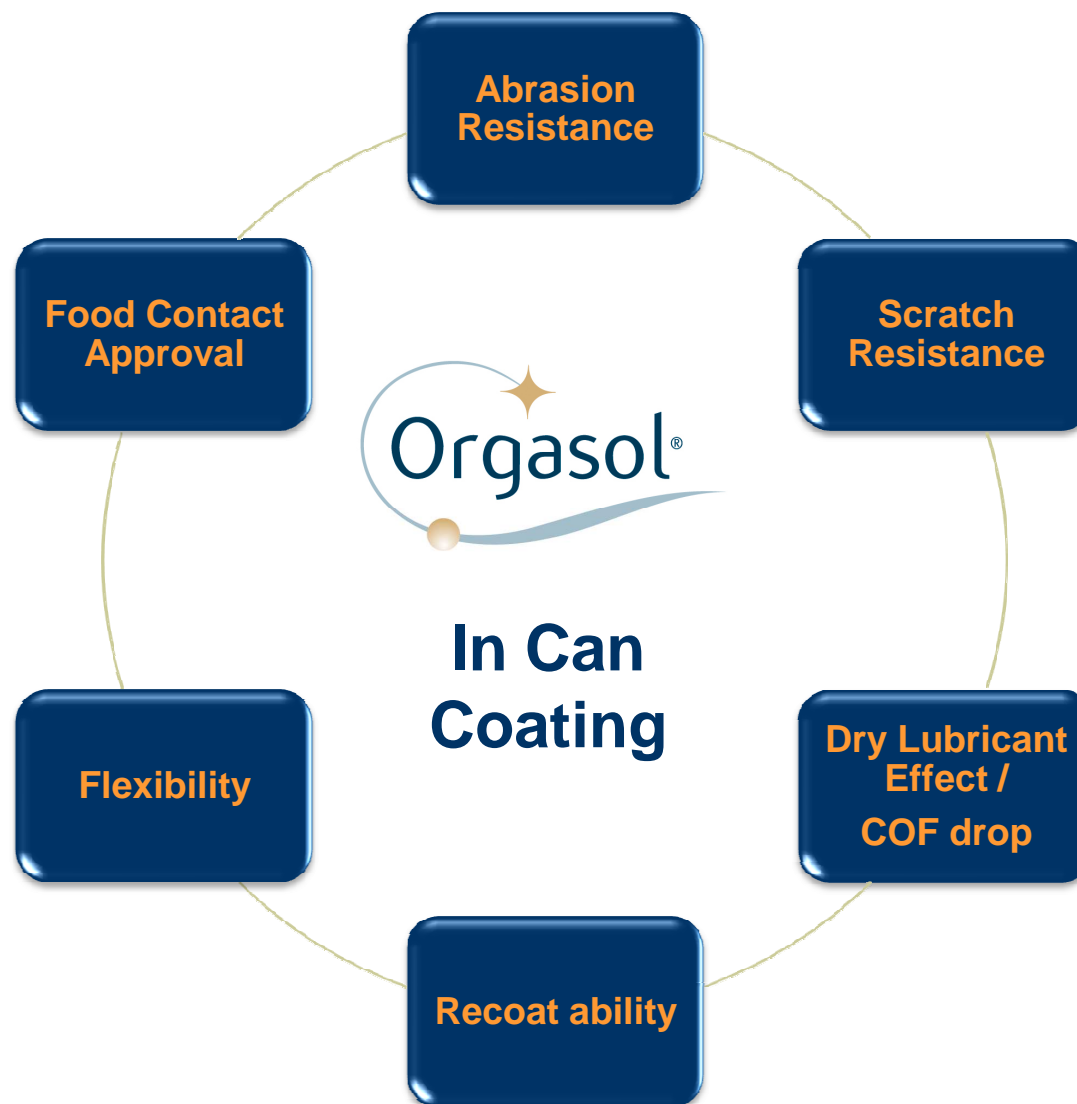
➡ **Possibility to work with high gloss formulations**

At High Incorporation Level (>1,5%):

Orgasol® = Mating Agent

➡ **To get a satin/mate finish**

Conclusion



ORGASOL® ANNEX



Orgasol®: Nomenclature



PA nature (**2** for PA12, **1** for PA6, **3** for PA6-12)

Particle size (**UD** for 5 µm, **EXD** for 10 µm, **D** for 20 µm,
ES3 - 6 for 30 - 60 µm)

2002 EXD NAT

Melt Viscosity indication
1 < 2

Color (**NAT** stands for natural)

The information contained in this document is based on trials carried out by our Research Centres and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment.

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420, rue d'Estienne d'Orves
92700 Colombes - France
Tél. : 33 (0)1 49 00 80 80
Fax : 33 (0)1 49 00 83 96
www.arkema.com

www.orgasolpowders.com

ARKEMA Société anonyme au capital
de 68 685 730 euros - 445 074 685
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