



# DECOSPHAERA® TRANSPARENT 30 F

## Chemical description

DECOSPHAERA® TRANSPARENT 30 F are crosslinked polyurethane spherical microbeads, produced through a water-based industrial process.

## Main use

DECOSPHAERA® TRANSPARENT 30 F enhance both performance and aesthetics in coatings and specialty applications. Their unique balance of toughness and elasticity makes them essential for high-performance formulations, offering:

- Matting Properties - Reduce gloss, even at 85°, while maintaining black jetness.
- Haptic Enhancement - Creates a rich, materic-like textured sensation.
- Functional Benefits - Improve mechanical strength, abrasion resistance, and chemical durability.

## Typical values

---

Aspect: White powder

---

pH (10%): 5 - 8

---

Oil absorption: 50 - 120 %

---

Dry content: 99 ± 1

---

Bulk density: 400 - 700 g/l

---

Particle size d(50): 22 - 30 µm

---

## Product properties

The dosage of DECOSPHAERA® TRANSPARENT 30 F in varnish should be adjusted based on the desired effect. They offer broad compatibility, making them suitable for use in water-based, solvent-based and UV/EB coatings; however, it's important to conduct compatibility testing for specific formulations, especially when incorporating them into solvent-based paints. The low oil absorption of DECOSPHAERA® TRANSPARENT 30 F allows for high loading levels, enabling the achievement of deep matte finishes without compromising rheology.

## Applications

DECOSPHAERA® TRANSPARENT 30 F are widely used in various applications, including:

- High-quality paints & specialty coatings - Enhancing performance and visual appeal, particularly in the wood top coat where they achieve deep matte finishes with a textured feel and in leather industries as a filler in the base coat.

DECOSPHAERA® TRANSPARENT 30 F can be incorporated at any stage of processing, as long as adequate stirring is applied to ensure uniform dispersion.

## Storage and handling

DECOSPHAERA® TRANSPARENT 30 F are stable for 12 months from the production date when stored in dry, cool conditions within original sealed boxes. The recommended storage temperature is between 5°C and 35°C.

Please close the inner lining of opened boxes to avoid moisture absorption and contamination.

## Packaging

DECOSPHAERA® TRANSPARENT 30 F are available in 20 kg boxes.

## Material safety

Please refer to the product's safety data sheet before use.

## Regulatory information

In case compliance with specific regulations is required please contact our sales representatives.

[polymerbeads.lamberti.com](http://polymerbeads.lamberti.com)