NEWCOLORCHEM | TECHNICAL DATA SHEET

Reflective Powder

General Technical Data Sheet | EN-V2

1. Document Information

Control field	Controlled value
Document title	Reflective Powder General TDS EN-V2
Product code	RFP-General
Language	English
Version	EN-V2
Revision date	2026-09-16

2. Product Overview

Reflective Powder is a glass-microsphere-based functional powder/raw material. It provides a visible reflective effect under suitable directed light and a suitable viewing angle.

Reflective Powder reflects directed light; it does not glow by itself in darkness. Observed reflective appearance depends on illumination and viewing conditions.

3. Product Type

Category: Reflective Materials.

Form: Glass-microsphere-based functional powder/raw material.

Scope: Reflective Powder only.

Boundary: Ready-made reflective ink and reflective coating are separate product requests and should be confirmed separately.

4. Key Characteristics

Reflective response: Visible reflective effect under suitable directed light and viewing geometry.

Effect direction: The product reflects directed light and is not self-glowing in darkness.

Observation conditions: Final appearance depends on illumination and viewing conditions.

Selection context: Particle and surface fineness affect final appearance and application selection; exact particle size must be confirmed for the selected grade.

5. Controlled Series Overview

The series information below is limited to approved identity, parent product, powder form and qualitative appearance. It does not establish performance, availability or grade-specific parameters.

Series	Parent product	Form	Qualitative appearance
PW Series	Reflective Powder	Powder	White
PF102 Series	Reflective Powder	Powder	Silver-grey
PWS106 Series	Reflective Powder	Powder	White
PF103 Series	Reflective Powder	Powder	Silver-grey
PFS106 Series	Reflective Powder	Powder	Silver-grey

6. Typical Applications

Reflective Powder may be evaluated in selected coating, ink, textile and footwear application directions. Exact suitability requires testing in the intended formulation, substrate and process.

7. Recommended Systems

Formulation directions: Selected coating and ink systems may be evaluated.

End-use directions: Textile and footwear application directions may be evaluated.

System confirmation: Suitability for a specific formulation, substrate and processing method must be confirmed through customer testing.

8. Selection Considerations

Final series and grade selection should be confirmed based on the application, formulation system, substrate, required surface effect, processing method and customer testing requirements.

This General TDS does not make a specific series or grade recommendation. Product-specific parameters must be confirmed before final selection or production use.

9. Processing Notes

Disperse evenly in the selected formulation and conduct trial testing before final selection.

The exact processing method and application conditions must be confirmed for the selected formulation, substrate and intended use.

10. Testing Recommendations

Customer testing is required in the actual formulation, substrate, processing and intended end-use conditions.

Assess the reflective appearance under the intended illumination and viewing conditions.

Confirm the selected product and all application-specific requirements before production use.

11. Storage and Handling

Storage conditions: Specific storage requirements should be confirmed for the selected product before use.

Handling documentation: Availability and applicability of safety documentation should be confirmed based on the selected product and project requirements.

12. Available Documents

Document	Identification	Status / applicability
TDS	Reflective Powder General TDS EN-V2	Approved for external use
SDS	Selected product / project	Availability and applicability should be confirmed based on the selected product and project requirements.
COA	Selected supplied batch	By batch.

13. Disclaimer

Actual performance should be confirmed through testing in the customer's own formulation, substrate and processing conditions.

Technical information may vary by series or grade. Product-specific parameters should be confirmed before final selection or production use.

14. Company Information

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