

## CALCIUM ZINC STABILIZER FOR PVC WINDOW PROFILE

### PRODUCTS

Grades	Heating Loss (%)	Thermal Stability	Lubrication
QY-501A	≤ 5.0	5+	2+
QY-501E	≤ 5.0	4+	3+
QY-501F	≤ 5.0	5+	2+
QY-501T	≤ 5.0	5+	3+

Appearance: White or yellowish powder

### APPLICATIONS

Designed for PVC profiles:

- Window frames
- Door frames
- Sliding window profiles
- Casement window profiles
- Glazing beads
- Window sills and trims
- Corner profiles
- Reinforcement profiles
- Shutter and blind profiles
- Facade and exterior cladding profile

Suggested Dosage (PHR): 3.5 – 4.5

### KEY ADVANTAGES

- **Safe & Non-Toxic:** Replaces lead and organotin stabilizers with an environmentally friendly Ca/Zn system.
- **Strong Thermal Stability:** Excellent heat resistance with no sulfur staining.
- **Superior Color Hold:** Better light and weather resistance than lead-based stabilizers.
- **Mechanical Integrity:** Unique coupling effect helps maintain mechanical strength and prolongs equipment service life.
- **Enhanced Welding & Impact Strength:** Improves fusion quality and boosts shock resistance of PVC products.
- **Good Melt Fluidity:** Ensures smooth processing, uniform thickness, and brighter product appearance.
- **Reliable Mechanical Properties:** Maintains long-term mechanical strength, reduces physical degradation, and helps extend equipment service life.

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## SAFETY AND COMPLIANCE

Non-toxic formulation meeting the requirements of EU RoHS, PAHs, REACH-SVHC, and other major environmental standards as well as GB8814-2004 for window profile.



### Disclaimer

The property values presented herein are typical values and are not to be interpreted as specification limits. The information in this document is believed to be accurate and reliable as of the date of publication; however, it is provided for general guidance only. This document is intended to support safe handling, use, processing, storage, transportation, and disposal of the product, and does not constitute a warranty or guarantee of any kind—express or implied—including, without limitation, any warranty of merchantability or fitness for a particular purpose. Users are responsible for determining the suitability of the product for their specific applications and for ensuring that its use complies with all applicable safety and legal requirements.

### Regulatory Notes

This product is manufactured in compliance with applicable regional chemical control regulations. Regulatory status may vary by jurisdiction, and users should verify compliance with local requirements prior to use. Certification for specific applications (such as food contact, potable water, medical, or electrical uses) is not implied and must be confirmed separately upon request. Users are responsible for ensuring that the product, its additives, and any processing aids meet all relevant regulatory and end-use obligations.

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