



# Formulation / Application Guide:

# YDN8080A in Textile Finishing

Product Name: YDN8080A

Resin Type: Highly Alkyl Etherified Melamine Resin

Applications: Textile Finishing (T/C, Cotton Blends, Nonwovens)

## © Recommended Formulation (by weight %)

Component	Suggested Range	Function
YDN8080A Resin	3–8%	Crosslinking agent for durable finish
Softener (cationic or nonionic)	1–3%	Enhances hand-feel and flexibility
Catalyst (e.g. MgCl₂, Zn(NO₃)₂)	0.5–1.5%	Promotes curing at lower temperatures
Acrylic Binder	2–6%	Improves film-forming on fiber surfaces
Water	Balance	Dilution and processing medium

Note: Adjust pH to 4.5–5.5 for optimal performance. Stir thoroughly and filter before application.

#### Application Process

#### 1. Padding:

Immerse the fabric in the finishing bath.

Target pick-up: 65-85% (depending on fabric weight and absorbency).



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### 2. **Drying**:

100-120°C for 2-3 minutes to remove moisture.

#### 3. Curing:

150–180°C for 60–90 seconds for crosslinking and durable bonding.

## Benefits in Textile Finishing

- **Excellent crease resistance** and shape retention
- **Low formaldehyde release** (compliant with OEKO-TEX® and REACH)
- Improved wash durability and mechanical strength
- Compatible with cotton, polyester blends, and viscose/rayon nonwovens

## Typical Fabric Compatibility

- Cotton & Cotton Blends
- Polyester / Cotton (T/C)
- Rayon, Viscose, PP, and PET Nonwovens
- Durable Press Finishes
- Anti-wrinkle and Easy-Care Treatments

## Packaging & Storage

- Packaging: 200kg plastic drums or 1000kg IBC tanks
- Storage: Store in a cool, ventilated place; shelf life: 6 months

#### Manufacturer:



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