

# Ethylan® EF-60

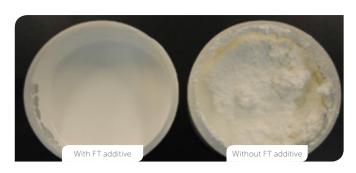
Multifunctional additive to deliver accessible VOC-free, freeze thaw stability

## A VOC-free additive

Ethylan EF-60 is an accessible VOC-free additive designed to impart freeze thaw (FT) stability to waterborne latex coatings and adhesive systems. Equally important, Ethylan EF-60 enables low-odor and safer formulations for premium grade waterborne paint products without compromising performance in addition to enabling better appearance and finish.

### Key benefits

- APE and VOC-free compliance to ever increasing environmental regulations
- Freeze thaw stability
- Lower odor compared to solvent borne FT agents
- Maintains open time to impart processability
- Better pigment wetting and dispersion compared to traditional FT agents
- High efficacy allows formulators to access VOC-free FT performance for a wide range of waterborne formulations e.g. high PVC coating formulations



## **Applications**

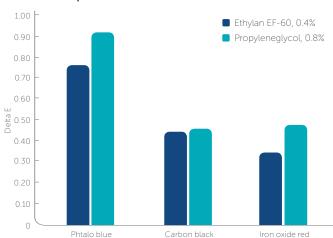
Ethylan EF-60 provides formulators with the essential functional attributes for a variety of applications.

- Freeze thaw stability for waterborne latex architectural paints
- Freeze thaw stability for waterborne latex applications for adhesives, textile coating and inks
- Open time extension for water borne applications such as coatings, adhesives and inks

When added to waterborne latex systems, Ethylan EF-60 surfactant-based technology will impart colloidal stabilization to promote storage stability especially at low temperatures. This allows formulators to eliminate the use of more traditional solvent-based, anti-freeze agents thereby effectively reducing the overall VOC in emulsion paint/adhesive systems to comply with the increasing environmental regulatory requirements.

Ethylan EF-60 can replace industry standard solutions such as propylene glycol, polyethylene glycol and ethylene glycol without compromising on processability and other latex binder performance e.g. color acceptance.

# Color acceptance



# arch 2022

#### Product data

Active content	60%
Appearance	clear liquid
Cloud point (1% in water)	50-54°C
Color	≤ 200 Hazen
pH (1% in water)	5-7
Viscosity, mPa.s at 25°C	3500

We recommend adding Ethylan EF-60 during the let-down stage, preferably after the latex binder and before the defoamer.

Maximum recommended dosage is 8.3% based on dry latex, examples:

10% latex: max 0.4% Ethylan EF-60 20% latex: max 0.8% Ethylan EF-60 30% latex: max 1.2% Ethylan EF-60

Contact us directly for detailed product information and sample request. website | nouryon.com email | paintsandcoatings@nouryon.com

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