

### CASCOMEL TF-71 (A melamine formaldehyde resin for textile finishing)

CASCOMEL TF-71 is a reactive modified melamine resin with long storage life and infinite water dilutability for the textile finishing. CASCOMEL TF-71 is compatible with most of the base resins, cross-linkers, additives, softeners and finishing agents usually used in textile processing. However, use in highly acidic baths is not recommended. Fabrics finished with CASCOMEL TF-71 provide high wrinkle recovery with minimum loss of tensile strength, and good resistance to shrinking and creasing.

#### Application:

- Durable easy care finishing of fabrics composed of cellulosic fibres and synthetic fibre blends.
- Crease resistance and shrinkage control on cellulosic textiles.
- Embossed, schreiner and chintz finishing.
- Binder for direct dyestuffs, delustering pigments and fire retardants.
- Anti-slippage agent for nylon fabrics.
- Stiffening finishes with excellent full hand effect on cellulosic fibres and synthetic fibres blends.
- Inhibitor of gas-fading in dyed acetate and acetate-spun rayon mixtures.
- Cross-linker in water repellent finishes.

Product Physical Properties: (at time of manufacturing)	
Appearance	Water clear liquid free from visible impurities
Viscosity @ 30°C (2/30), cps	260 - 350 cPs
pH @ 30°C	8.6 -9.6
Specific Gravity @ 30°C	1.230 – 1.243
Solid content, % (105°C at 3 hours, 1g resin + 2ml MeOH)	71 - 73
Free Formaldehyde, % (After 17 hours)	2.5 – 3.0
Water Tolerance @ 25°C. %	Infinity
Liquor stability @ 45°C, hrs (27g resin + 10.4g CM170 Make up to 250ml with water)	Clear for >6
Storage Life @ 32°C / Ambient temperature	6 months from Manufacturing Date

#### Storage:

Under normal ambient conditions, CASCOMEL TF-71 has a shelf life of approx. 4 months when stored in a sealed container.

In the event of being stored at too low a temperature and the product turns hazy, mild heating (65 - 70°C) is necessary to restore its transparency.

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