



Gammacolor s.r.l.
Via Zeuner, 5 20822 Seveso (MB) Italy
tel. +39 0362550550 fax +39 0362551915
email info@gammacolorsrl.com



Associazione Tessile e Salute
Azienda associata

p.IVA 00736390964 C.F. 02639210158 c.c.i.a. Milano n. 927455 Codice ISS azienda 00736390964

GAMMASOFT CD CONC

Pseudo-amphoteric softener for all fibres — practically no yellowing

Chemical-physical characteristics

- **Appearance:** milky fluid emulsion.
- **Chemical nature:** amide-type derivative.
- **Ionic charge:** pseudo-amphoteric.
- **Compatibility:** compatible with cationic and non-ionic auxiliaries.
- **pH (10% solution):** 8 ± 1 .
- **Behaviour in water:** fully dilutable in any ratio.
- **Storage stability:** good under normal ambient conditions.

Functional properties (textile/dyehouse language)

GAMMASOFT CD CONC is an **amide-based, pseudo-amphoteric textile softener** formulated to be neutral on white substrates — it does not induce appreciable **yellowing**, even on fabrics whitened with anionic optical brighteners.

It is **designed primarily for cellulosic and cellulosic-blend substrates** (cotton, viscose, linen and blends), but also delivers good results on certain synthetic fibres such as polyester. Because of its film/penetration profile and lubricity it is particularly suitable for fabrics intended for **napping/raising (garzatura)**: it reduces the number of passes required in the napping machine while providing a **soft, voluminous (full) hand**.

GAMMASOFT CD CONC can be applied either **by exhaustion or by padding**. For white cellulosic materials a **neutral to slightly acidic pad/exhaust bath** is recommended to preserve optical tone. The product is compatible with **anti-crease (crease-resist) resins** — both urea-formaldehyde (U/F) and reactive types — and is broadly compatible with common organic and inorganic catalysts; **pilot compatibility trials are nevertheless recommended**.

Recommended application & dosing

1) Exhaustion (pad-bath exhaustion)

- Conditions: 40 °C, 20 minutes, liquor ratio (L:R) 1:8 – 1:12.
- Typical dosages (on weight of fibre, OWF):
 - Cotton yarns: **0.5 – 1.0% OWF**
 - Cotton knit fabrics: **1.0 – 2.0% OWF**



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2) Padding / Foulard application

- Pad bath concentration: **10 – 20 g/L**, depending on the desired softening effect and pick-up.

Advantages / Highlights

- Universal softener for a wide range of fibres.
- Minimal yellowing on white/optically brightened substrates.
- Imparts soft, plush, full hand; improves bulk for napped fabrics.
- High formulation compatibility (cationic and non-ionic systems).
- Suitable for both continuous and batch finishing processes.

Keywords: softener, pseudo-amphoteric, textile auxiliary, hand modifier, compatibility with cationics, optical neutrality

The data are the result of careful studies and / or experience obtained, however, they should be considered indicative and still no guarantee of employment. Data contained in this document is not intended to be specific. For information: e-mail info@gammacolorsrl.com