

GALSTAFF MULTIRESINE

SPECIALITY RESINS AND AUXILIARIES

Preliminary Data Sheet
Date of issue: 3rd May 2007
Ref: MP/dr

ITALESTER 350/94 X Hydroxylated polyester, for "soft touch" PU coatings

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• Appearance	Clear or slightly hazy, viscous liquid
• Solid content	94% ± 1
• Solvent	Xylene
• Acid value, on solid	6 ÷ 10 mgKOH/g
• Gardner colour	1 max
• Gardner viscosity, at 25°C	Z2 ÷ Z4
• (*) Brookfield Viscosity, at 25°C	5000 mPas.s, approx
• (*)%Hydroxyl , on solid	1,9
• (*) Hydroxyl Value, on solid	63 mgKOH/g, approx

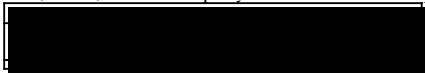
(*) Not a specification



ITALESTER 350/94 X is a new generation of hydroxylated, saturated polyester, with the property of curing at room temperature and a significant scratch fastness improvement. These two innovative properties enlarge the applications area. The most significant are: soft touch, polyurethane coatings for mobile phone shells, interior car parts; toys; small appliances; furniture components. PU, soft touch coatings cure, at room temperature, roughly according to the following scheme:

Dust-free time:	20 min, approx
Touch-free time:	3 ÷ 4 hours, approx
Handable time:	12 hours, aprox
Complete crosslinking	after 48 hours, at least

These times are achievable by applying one layer of 120 gr/m² thickness, wet. In order to have the proper results, ITALESTER 350/94 X has to be crosslinked with aliphatic isocyanates as URONAL NL or URONAL NL 100 or aliphatic trimers with 90% of solid content. Any other isocyanate has to be avoided. The coatings based on ITALESTER 350/94 X can be applied directly on PC,PVC,ABS. On polyolefines or other plastics, like nylon or tephlon, the use of an adhesion primer is a must.



ITALESTER 350/94 X is compatible with the over-mentioned aliphatic isocyanates. The blend with other polyesters or isocyanates is not predicted and not suggested. In any case, the compatibility is very limited.



ITALESTER 350/94 X is soluble with acetate, ketones, aromatic solvents; it is not soluble with aliphatic solvents, alcohols or water.

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THE INFORMATION CONTAINED HEREIN IS BASED ON OUR CURRENT KNOWLEDGE AND EXPERIENCE BUT IS SUPPLIED WITHOUT GUARANTEE

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ITALESTER 350/94 X, if stored in original sealed container, in protected area, has a shelf life of 12 months, from the production date.

For all information related to handling and toxicological knowledge about this resin, please refer to the Safety Data Sheet.

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