

DITECH

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TECHNICAL BULLETIN

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**DITECH
IL-42-120-A**

TYPE OF POLYESTER

DITECH IL-42-120-A is a liquid, thixotropic, isophthalic unsaturated polyester resin promoted for polymerization at room temperature.

During storage some separation of the thixotropic agent may occur. It is therefore recommended that the resin be thoroughly mixed prior to its use. This will ensure the application of a homogeneous resin.

PRINCIPAL CHARACTERISTICS

- 1) Excellent wetting of fiberglass rovings resulting in faster rollout and reduced laminate porosity.
- 2) Extended cure with low exotherm allows for the lay-up of thick laminates.
- 3) Formulated for low styrene emission.
- 4) Non air-inhibited.
- 5) Good heat and corrosion resistance.

TYPICAL PROPERTIES OF LIQUID DITECH IL-42-120-A

Viscosity, Brookfield RVF at 25° C, Spindle #2 @ 20 rpm 500-600 cps
Relative Density 1.10 - 1.12
Color amber-pink

TYPICAL GEL TIMES OF DITECH IL-42-120-A

Resin temperature 25° C
Fiberglass weight 900g/square meter (2 x 1.5 oz)
Glass content 30%

Catalyst level (Cadox M-50)	1.0%
Gel time (pot-life)	25-30 min.
Laminate geltime (working time)	30-35 min.
First Barcol (1-10)	200-300 min.

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APPLICATIONS OF DITECH IL-42-120-A

- 1) *The fabrication of reservoirs for corrosive liquids.*
- 2) *The fabrication of parts which must have a high heat resistance.*
- 3) *The fabrication of parts which will be in contact with food products or potable water. Approvals of products made with this resin may be obtained from the appropriate Canadian Authority.*
- 4) *The lamination of boat hulls to eliminate osmotique blistering.*
- 5) *Mold making, tooling resin.*

NOTE: *Laminates made for heat resistance and for use in contact with food products or potable water must be post cured and washed prior to use.*

CORROSION RESISTANCE

For special applications consult your technical representative.

11/07