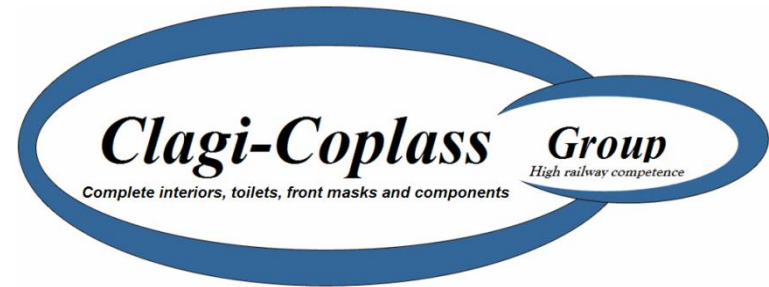


HLU Technology,
(**H** = hand, **L** = lay, **U** = up)

Technical description



- Open mold methods allow for a rapid product development cycle because the tooling fabrication process is simple and relatively low cost.
- **Hand Lay-Up**
- The simplest of the fabrication processes, hand lay-up is used in low-volume production of large products, e.g., wind turbine components, concrete forms, and radomes. A pigmented gel coat is first sprayed onto the mold for a high-quality surface. When the gel coat has cured, glass reinforcing mat and/or woven roving is placed on the mold, and the catalyzed resin is poured, brushed or sprayed on. Manual rolling then removes entrapped air, compacts the composite, and thoroughly wets the reinforcement with the resin. Additional layers of mat or woven roving and resin are added for thickness. A catalyst or accelerator initiates curing in the resin system, which hardens the composite without external heat

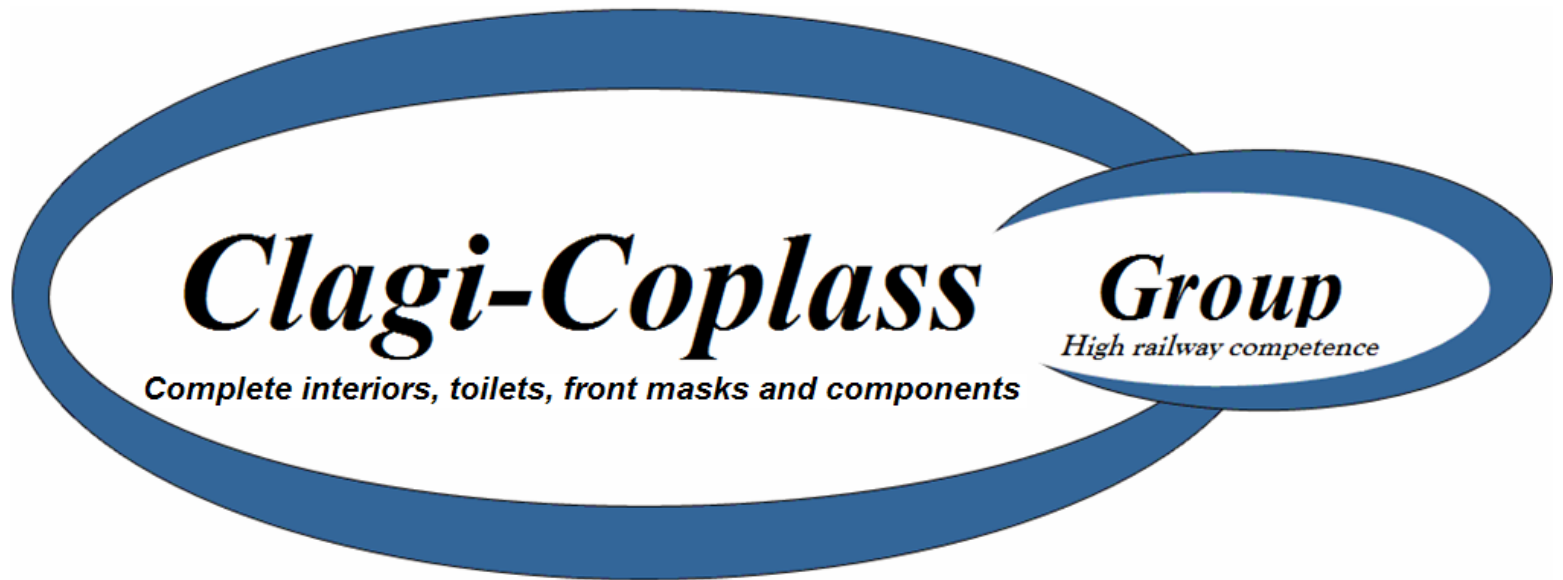
HLU Technology Workshop



1996 - HLU phenolic resin-toilet ETR 500 train



1.200 Pieces Produced by Clagi
1996-2000



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