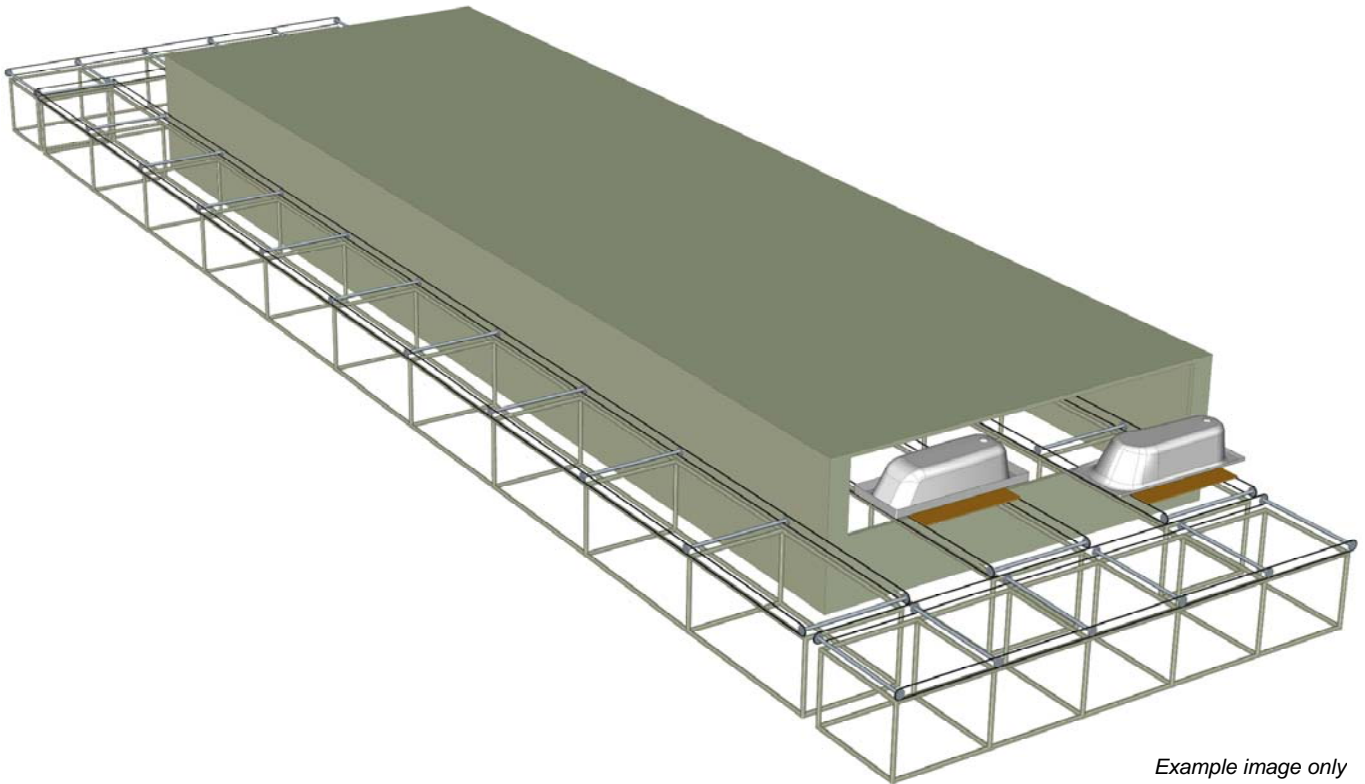




ARMOUR

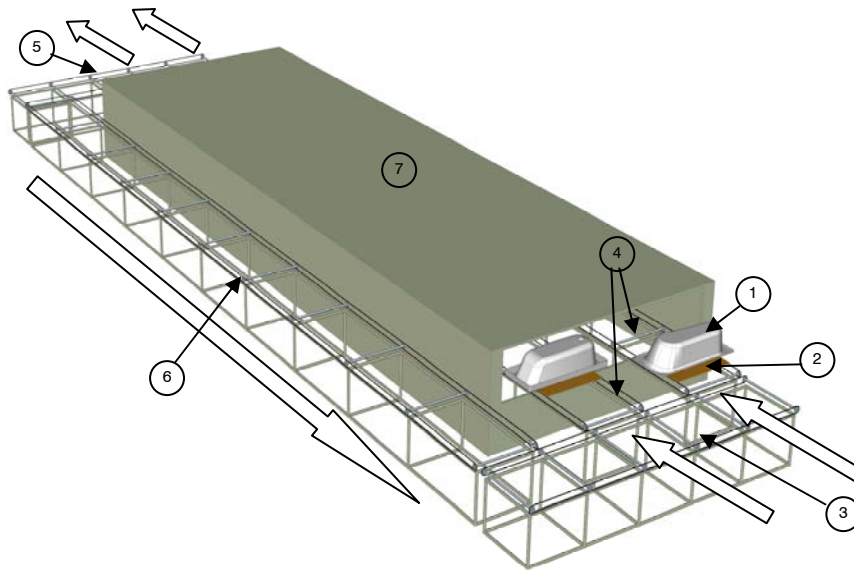
~ engineering for plastics

CC-2-1-06 CURING TUNNEL



Example image only

The CC range of curing tunnels can be specified for any capacity requirement. All models use a system of motorised chain conveyors to carry products through for curing, and for the return of the empty product supports. The heating system can be supplied in any format to suit the requirements of the customer. Temperature is thermostatically regulated via the PLC control system. Low-level vents are fitted suitable for connection to external ducting (not supplied) to extract styrene gas emitted during the curing process.



1. Product
2. Product support system
3. Entry roller section
4. Main conveyor
5. Exit roller section
6. Return conveyor
7. Steel enclosure

The product (1) is loaded onto the support system (2) and placed onto the entry roller section (3). From here it can be pushed forward until the main chain conveyor (4) picks up the edge of the support. It will then be automatically drawn through the steel enclosure (7) that forms the tunnel. The products are carried through and on exiting the tunnel fully cured, they reach the exit roller section (4) where they come to rest at a physical stop. If products are not removed by the operator then a switch automatically stops the relevant conveyor until they are removed. The empty product supports are returned for re-use by the returns conveyor (5).

MACHINE SPECIFICATION

ELEMENT	SPECIFICATION	
Machine Capabilities	Maximum product size:	2000mm x 1400mm
	Number of conveyors:	2
	Maximum output:	25 products per hour
Machine Construction	Enclosure:	Sheet steel – BS EN 10025 material Double skin insulated
	Size:	Width 6.5m – Depth 22m – Height 1.7m
Conveyors	Width:	1200mm
	Mechanism:	Chain driven
	Curing track speed:	0.3m/min
	Returns track speed:	0.6m/min
Load / unload	Roller entry/exit tables for easy handling of products.	
Heating	Remotely sited gas fired warm air heating (specification dependent on location) Low level extraction.	

Control System	Automatic start/stop of conveyors - PLC controlled using electrical sensors. Electronic temperature controller. Inverter control for conveyor speed adjustment. Normal service temperature: 40°C
Electricity	3 Phase supply + Neutral + Earth: 380/415V @ 50Hz Maximum power consumption: 10kW
<i>example specification only - specification may be subject to change without notice</i>	

For further information contact

Armour Plastics Limited
Engineering Division
Pattinson Industrial Estate
Washington, Tyne & Wear, NE38 8QH, England
Telephone: +44 (0)191 416 7786 Fax: +44 (0)191 416 7109

sales@armour-engineering.com
www.armour-engineering.com