

Icorene 1490 what do customers think about it?

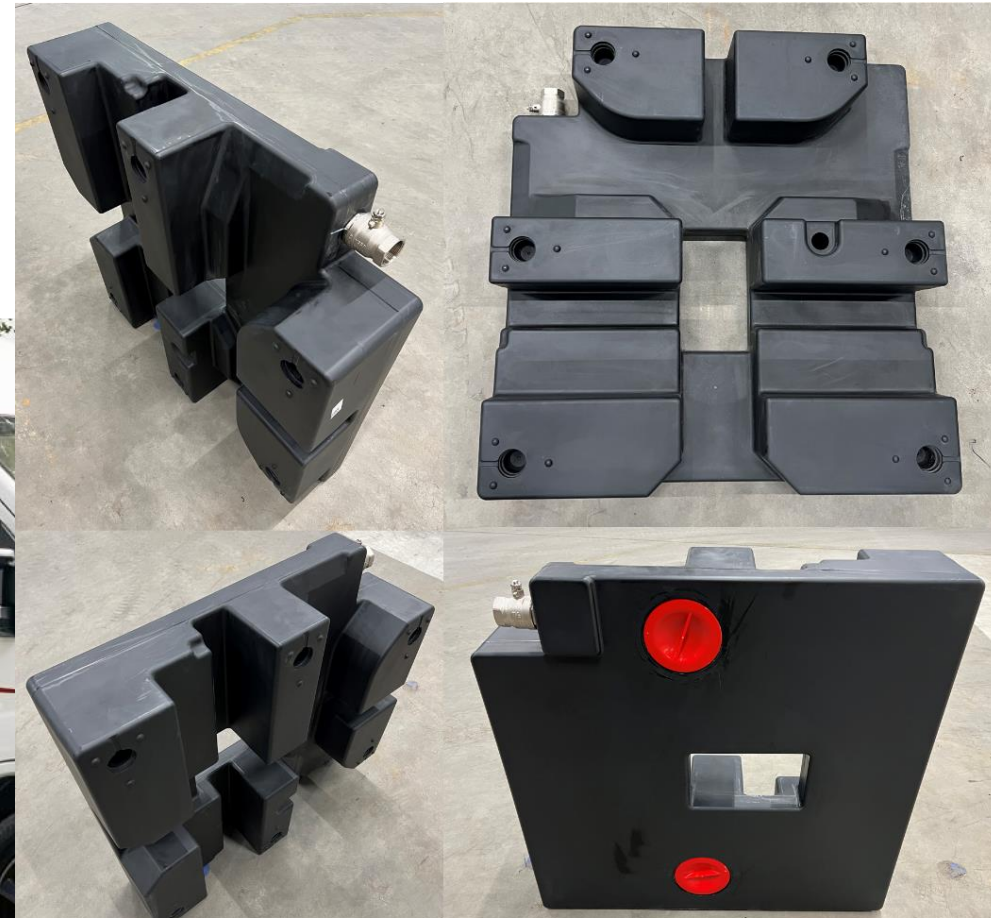
Video showing cycle time & gas savings
Diesel tank example

John Steele, LYB EU. ITRO 2024

14 June 2024

Pentas Moulding B.V. Test-case using *Icorene 1490* powder for a 110L grey water tank

Making rotomoulded tanks with a lower carbon footprint using Icorene 1490



A yellow Hyster forklift is shown from a side profile, with an operator in a black jacket and blue jeans seated in the cab. The forklift is positioned at the back of a white truck, which has its cargo door open. Inside the truck, several large, black, rectangular blocks are stacked on a wooden pallet. The forklift's mast is raised, and it is in the process of loading or unloading these blocks. A red propane tank is visible on the side of the forklift. The background shows a clear sky and a building.

38%

Saving in process time vs
their standard powder



Success Story with Pentas *Icorene* 1490

Icorene 1490 – Video Summary

Pentas sees clear benefits switching to Icorene 1490 BLK 9001



Icorene 1490 Processing Results @ Pentas

- 11-Minutes for heating and 11 minutes for cooling
- Reduced from 20 minutes cooling, 18 minutes heating
- Oven temp reduced from 300C to 270C
- 38% reduction in cycle = major ENERGY saving
- Inside surface better @ PIAT 140C vs prior PIAT 202C
- Reject rate drops to near zero with Icorene 1490
- Metal inserts perfect bonding and covering
- Surface finish and dimensions improved
- Impact & toughness improved

Icorene 1490 – Video Summary

Pentas sees clear benefits in the Company's **SUSTAINABILITY** by use of Icorene 1490 BLK 9001



Icorene 1490 Results @ Pentas

- PIAT 140C leads to lower heating & cooling time
- Reduced gas burner fuel consumption
- Reduced electricity used for running Arms and Fans
- Productivity increased leading to an annual reduction in total ENERGY per item

Icorene 1490 BLK 9001 for diesel fuel tanks

Example also moulded at Pentas

Large diesel fuel tank

Tested for moulding in Icorene 1490 BLK9001
Perfect result first time with PIAT 155C

Tank for mobile air conditioning unit

Approx. 900 litre **diesel** tank weight 55 kg

Average wall thickness 6mm

Steel tooling, part length 2.4m

Heating time @300C 1490/OLD: 24 vs 36 mins
(MFI 12/7.5, PIAT 155C/187C)

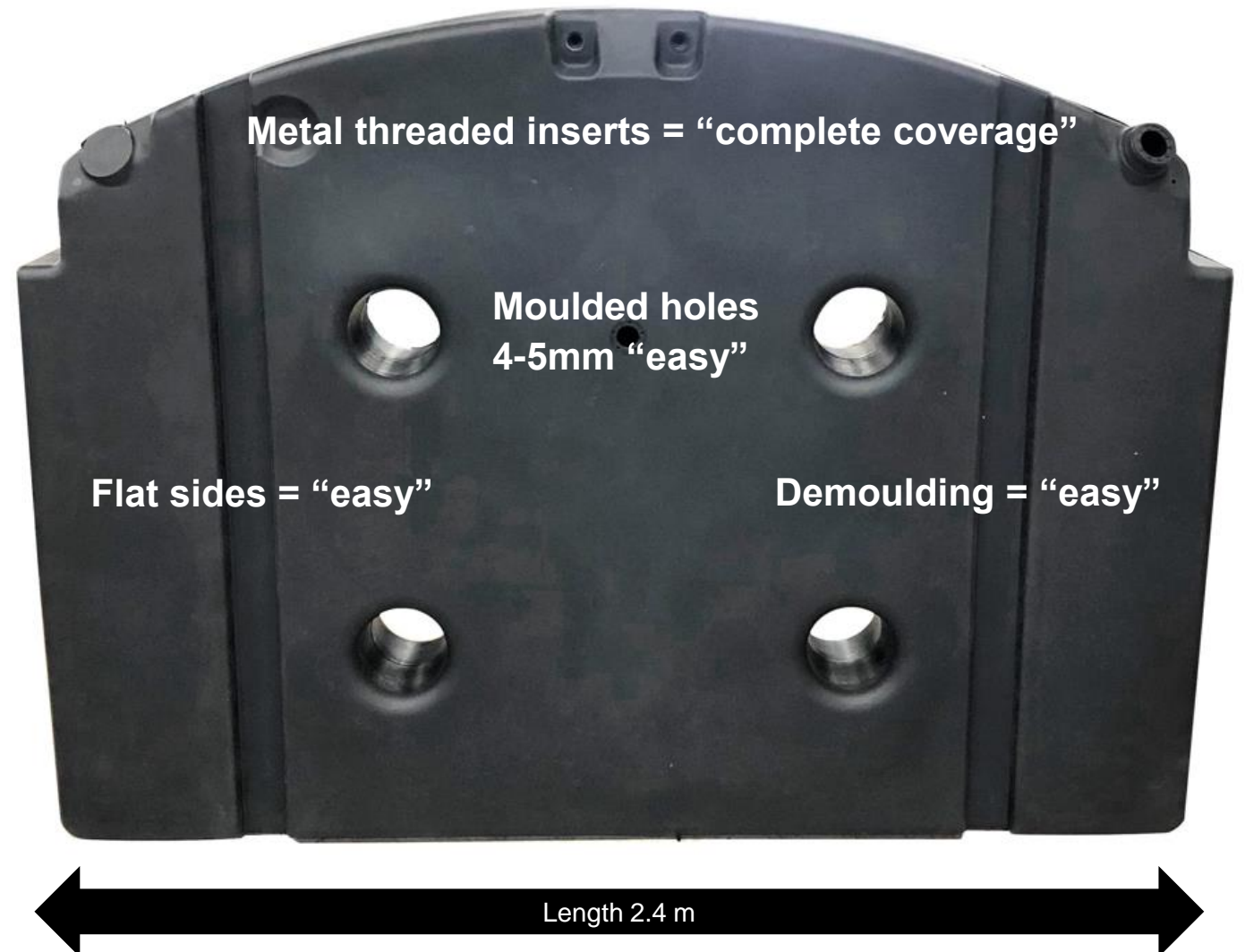
Cooling time 1490/OLD: 30 mins vs 36 mins

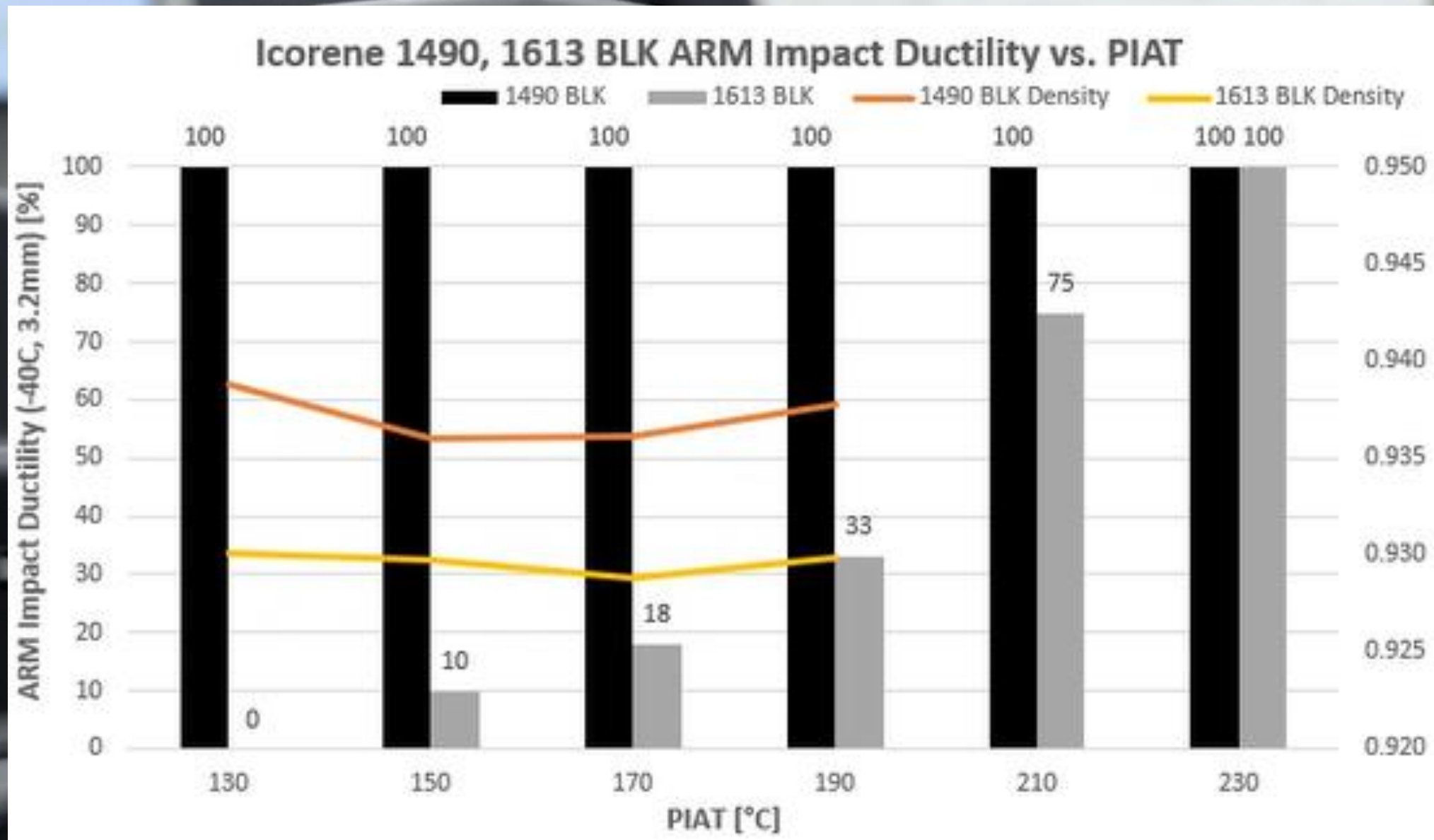
TUV ECE RE34 approved:

Fuels: B0, B7, B20, HVO



TÜVRheinland®
Precisely Right.





Part Strength|@155C: Impact toughness & elasticity & density combination across the heating process window

For more information about *Icorene* 1490

- John Steele, Technical Service Manager

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- For arranging a full technical discussion about how *Icorene* 1490 can benefit your business or if you would like a trial? please make contact with your local LYB sales person.
- THANK YOU!



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