

MARCO TECH

is the HALLINGPLAST exclusive sales department for:

“Halock™ Petroleum Piping System”



- “Hallingplast AS”, EN ISO 9001:2008, based in Norway, manufactures high pressure pipes, drain pipes/fittings, cable protection pipes, **fuel pipes**, gas pipes and **multi-layer pipes** with single and double wall solutions.

- Our products, high density polyethylene flexible pipes for petrol station, are approved and certified in accordance with current international standards **EN14125** and has additional list of national local approvals.



Worldwide Partners & Customers representation (green)



Halock & Halock TWIN Flexible Piping System

The safest long lasting solution
for your petrol station construction



HALOCK PIPING SYSTEM

The safe and strong,
Underground Flexible Pipe System for Petrol Stations:

- ✓ Fast in installation
- ✓ Safe in operation
- ✓ No measurable permeation thanks to white PBT liner
- ✓ Quality & Security: EN ISO 9001–2008 certified since 1995

HALOCK PIPING SYSTEM

- ▶ Hallingplast is an innovative Norwegian plastic pipe producer since 1969, with a long experience in the petrol pipe market since 1981.
- ▶ We have been the forerunner in electrofusion technology for petrol application

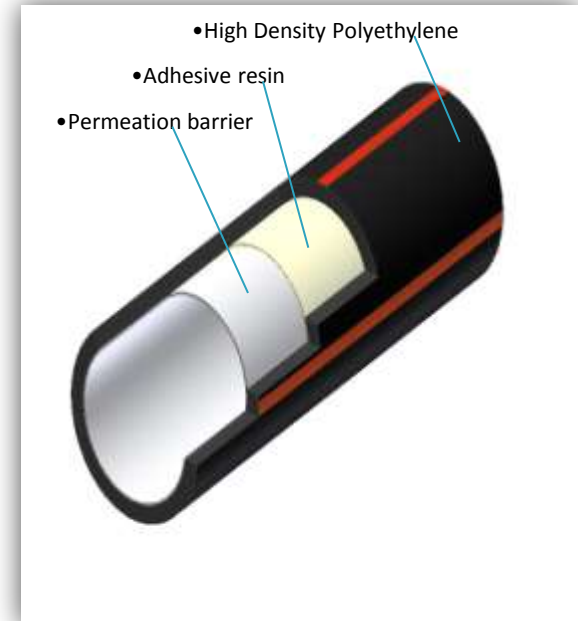


HALOCK PIPING SYSTEM



HALOCK PIPING SYSTEM

- ▶ The safest underground pipeline system for petrol stations.
- ▶ Superior technology with double lined pipe walls
- ▶ Superior strength: rolls can be bent even in very cold temperatures
- ▶ Superior joint strength through advanced technology.



HALOCK PIPING SYSTEM



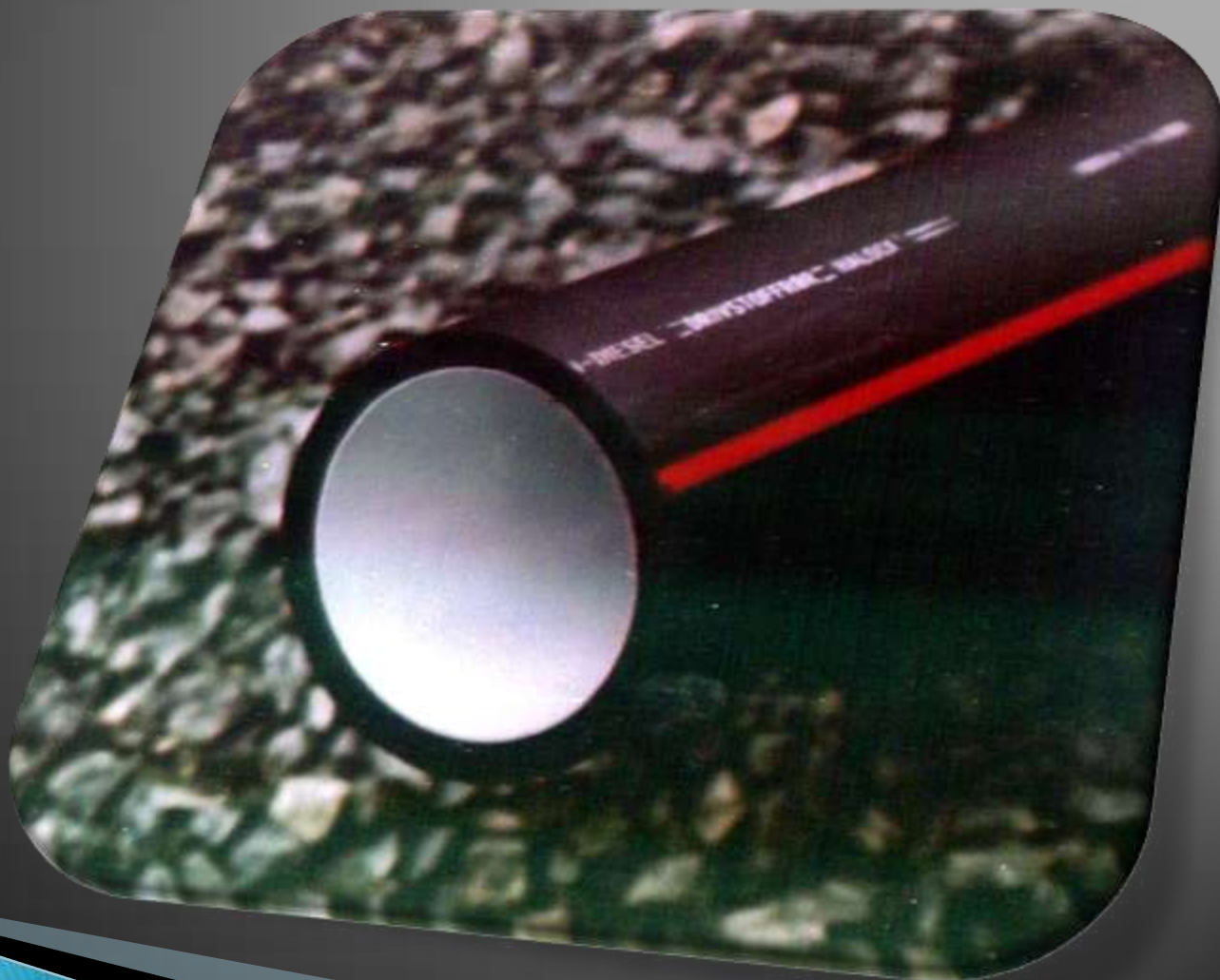
HALOCK PIPING SYSTEM



HALOCK PIPING SYSTEM



Hallock: **red line**, white inside liner



Fast in installation due to STRONG HALOCK SYSTEM

- ▶ Pipes
 - ▶ in rolls(100m /150m) or
 - ▶ in bars (6 – 8 –10 –12m)
- ▶ flanges direct to tanks.
- ▶ transition fittings to pumps & tanks (1 ½",2", 3", 4")
- ▶ No special need for trenches.
- ▶ No need for special fill in material
- ▶ Low overflow height
- ▶ Very light and strong



Petroleum Equipment for Petrol Station and Tank Truck



Halock: complete piping & tooling system



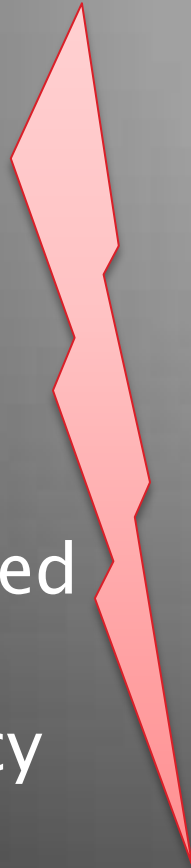
Safe in operation

•Halock Piping System

- ▶ Does not rust
- ▶ Does not corrode
- ▶ Does not leak in joints
- ▶ Does have a complete documentation
- ▶ Does have a documented heritage
- ▶ 30 years life expectancy
- ▶ EN14125 certified

•Steel pipes:

- ▶ Do rust
- ▶ Do corrode
- ▶ Steel pipes have threaded joints
- ▶ No printout from threading machines.
- ▶ All steel pipes look alike



Advantages of Halock

- ▶ Special inside liner and multi layer design
- ▶ Unique non measurable permeation
- ▶ Extract from the EN14125, ERA/COBHAM:

*”NOTE 3: Compliance with the requirement for permeability
is based on **tests exceeding 10,000 h** without showing any
sign of permeation”*

Original ERA Certificates

ERA
TECHNOLOGY

Certificate of Compliance

Issued to : Hallingplast A/S, Norway and Georg Fischer RLS AG, Switzerland.

Item : Underground petroleum pipework for positive pressure and suction delivery fuel lines.

Type Reference : HALLOCK™ product range, with ELGEF® electrofusion connections, for pipes up to and including 110 mm in diameter.

This is to certify that samples of the product defined above have been tested by ERA Technology Ltd and found to comply with the following requirements :

Institute of Petroleum Performance Specification for Underground Pipework Systems at Petrol Filling Stations.

ISBN O 85293 1646, November 1995.

Full details are given in ERA report number : 97-1066

Certificate prepared by :



Certificate approved by :



P R McCarthy
Manager
Materials Testing Department

Certificate number: BC63/1066/97/001 dated: 20 November 1997

ERA Technology Ltd, Cleeve Road, Leatherhead, Surrey KT22 7SA
ERA Technology Ltd, Unit 8 Woodfieldside Business Park, Pontllanfraith, Blackwood, Gwent NP23 2DG
ERA Technology Inc, 19424 Park Row, Suite 140, Houston, Texas 77064, USA
ERA Technology (Asia) Pte Ltd, 83 Science Park Drive, #03-02A The Curie, Singapore 118258

ERA
TECHNOLOGY

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This is to certify that samples of the product defined above have been tested by ERA Technology Ltd and found to comply with the following requirements :

Shell International Petroleum Company Limited Performance Specification for Flexible and Semi-flexible Plastic Pipework Systems.

Retail Engineering Document OBM/R12, Version 1.0, January 1996.

Full details are given in ERA report number : 97-1066

Certificate prepared by :



Certificate approved by :



P R McCarthy
Manager
Materials Testing Department

Certificate number: BC63/1066/97/002 dated: 20 November 1997

ERA Technology Ltd, Cleeve Road, Leatherhead, Surrey KT22 7SA
ERA Technology Ltd, Unit 8 Woodfieldside Business Park, Pontllanfraith, Blackwood, Gwent NP23 2DG
ERA Technology Inc, 19424 Park Row, Suite 140, Houston, Texas 77064, USA
ERA Technology (Asia) Pte Ltd, 83 Science Park Drive, #03-02A The Curie, Singapore 118258

• Institute of Petroleum

• Shell International

Certificates: EN14125 & ISO 9001

ERA
TECHNOLOGY

Certificate of Compliance

Type Approval

Issued to: Marco Tech Sarl, Quai Carriet (Montané), 33310 – Lormont, France, and Hallingplast, Kleivi, 3570- ÅL, Norway for pipe samples produced by Hallingplast and Elgef Plus fittings produced by Georg Fischer, 22 avenue des Nations, 95932 Roissy Charles de Gaulle, France.

Product range: HALOCK and TWIN pipes, and ELGEF PLUS fittings

This certificate covers only those items listed on the attached pages.

Applications: Positive pressure, vacuum suction, fill, vents & vapour recovery and secondary containment type C2.

This is to certify that samples of the items listed on the attached pages have been tested by ERA Technology Ltd and have been found to comply with the requirements of the following standard for initial type testing:

EN14125:2004 Thermoplastic and flexible metal pipework for underground installation at petrol filling stations

NOTE 1: This certificate should only be reviewed or reproduced in full.

NOTE 2: This certificate remains the property of ERA Technology. ERA Technology reserves the right to withdraw or revise it following written notification to the issue. Any revision is indicated by a change in certificate number.

NOTE 3: Compliance with the requirement for permeability is based on tests exceeding 10,000 h without showing any sign of permeation

Conditions on the validity of this Certificate: None

Certificate prepared by :

• **EN14125**

C Lechat
Engineer

Certificate approved by :



Alan Friday
Head of Materials and Design

Certificate number: BC66/2009-0491/007 Dated: 23 March 2012

ERA Technology, Cleeve Road, Leatherhead, Surrey KT22 7SA, UK

This is to certify that the Quality System of
HALLINGPLAST AS
3570 ÅL

complies with Quality Systems Standard

NS-EN ISO 9001 : 2000

The certificate is valid for the following activities:

**Development and Construction,
Production and Sales of Polyethylene
and Polypropylene Pipesystems.**

CERTIFICATE

• **ISO 9001-2008**

SINCE 1995

Certificate No: 033


Company's Representative
Birger Elva


Dette Certification AS
Soleimorgve 2B, 4008 Sæviangen


Lead Auditor
Atle Storås



The acquisition of this quality certificate constitutes a commitment entered into by the signatories to the BAC Membership Agreement as recognised by the other signatories listed below in this Agreement

30 years warranty



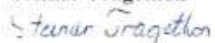
HALLINGPLAST A.S.
N-3570 ÅL

Tlf: 32 09 55 99 / Fax: 32 09 55 94
www.hallingplast.no

3570 ÅL, 18/02/2015

To whom it may concern:

With basis in the enclosed letter, and under the condition that the correct installation procedure and use are followed, we HALLINGPLAST can guaranty that Hallingplast petrol station pipes and fittings Halock™ range will have a life expectancy of at least 30 years.

HALLINGPLAST A.S.
Steinar Tragethon

Steinar Tragethon
General Manager