



## CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

**Company****Siderarco S.p.A.****Address**

Via Murello, 11, Polonghera Cn, 12030, Italy

**Type of welding consumable** Section 3 - Covered Electrodes**Trade name**

E 40

**Welding Process**

Shielded Metal Arc Welding

**Grade & Technique**

1m

**Welding Positions**

Downhand, horizontal-vertical and vertical upward only.

**Weld Type**

Butt and Fillet Welding.

**Diameter (mm)**

3.2 - 4.0

**Current**

AC/DC(-)

**Remarks**

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

  
**Sufair Shaikh**

Welding Team - Specialist to Lloyd's Register  
EMEA  
A member of the Lloyd's Register group

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**Company****Siderarco S.p.A.****Address**

Via Murello, 11, Polonghera Cn, 12030, Italy

**Type of welding consumable** Section 3 - Covered Electrodes**Trade name**

E 46

**Welding Process**

Shielded Metal Arc Welding

**Grade & Technique**

2m

**Welding Positions**

Downhand, horizontal-vertical, vertical upward and downward only.

**Weld Type**

Butt and Fillet Welding.

**Diameter (mm)**

3.2 - 4.0

**Current**

AC/DC(+)

**Remarks**

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<b>Company</b>	<b>Siderarco S.p.A.</b>
<b>Address</b>	Via Murello, 11, Polonghera Cn, 12030, Italy
<b>Type of welding consumable</b>	Section 3 - Covered Electrodes
<b>Trade name</b>	E 48
<b>Welding Process</b>	Shielded Metal Arc Welding
<b>Grade &amp; Technique</b>	4Ym
<b>Welding Positions</b>	Downhand, horizontal-vertical, vertical upward and overhead only.
<b>Weld Type</b>	Butt and Fillet Welding.
<b>Diameter (mm)</b>	3.25 - 5.0
<b>Current</b>	DC(+)
<b>Remarks</b>	Approved low hydrogen consumable, conforming to standard H5.

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