



Certificate Number MATS/IND-1072/9/1

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.

Name of Company: *SUPERON SCHWEISSTECHNIK INDIA LTD, INDIA*

Type of Welding Consumable: *Section 3 - Covered Electrodes*

Trade Name: *Super Optimal 7016*

Welding Position: *Downhand, horizontal-vertical, vertical upward and overhead only.*

Joint Type: *Butt and Fillet Welding.*

Grade: *3Y40, suitable for welding steel Grade(s) EH40, EH36, EH32 (and any corresponding strength grade(s) of lower toughness), using manual metal arc welding with covered electrodes.*

Remarks: *Approved low hydrogen consumable, conforming to standard H5.*



Date: *15 January 2014*
Valid until: *15 January 2015*

J S Nirankari

Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group



Certificate Number MATS/IND-1072/10/1

CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

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Name of Company: *SUPERON SCHWEISSTECHNIK INDIA LTD, INDIA*

Type of Welding Consumable: *Section 3 - Covered Electrodes*

Trade Name: *Super Optimal 7018*

Welding Position: *Downhand, horizontal-vertical, vertical upward and overhead only.*

Joint Type: *Butt and Fillet Welding.*

Grade: *3Y40, suitable for welding steel Grade(s) EH40, EH36, EH32 (and any corresponding strength grade(s) of lower toughness), using manual metal arc welding with covered electrodes.*

Remarks: *Approved low hydrogen consumable, conforming to standard H5.*



Date: *15 January 2014*
Valid until: *15 January 2015*

J S Nirankari

Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group



Certificate Number MATS/IND-1072/11/1

CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

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Name of Company: *SUPERON SCHWEISSTECHNIK INDIA LTD, INDIA*

Type of Welding Consumable: *Section 3 - Covered Electrodes*

Trade Name: *Super Optimal 7018S*

Welding Position: *Downhand, horizontal-vertical, vertical upward and overhead only.*

Joint Type: *Butt and Fillet Welding.*

Grade: *4Y40, suitable for welding steel Grade(s) FH40, FH36, FH32 (and any corresponding strength grade(s) of lower toughness), using manual metal arc welding with covered electrodes.*

Remarks: *Approved low hydrogen consumable, conforming to standard H5.*

Strongweld[®]
Ultimate Welding Performance

Date: *30 January 2014*

Valid until: *15 January 2015*

J S Nirankari

Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group