Form 3-1

|  |  |  |
| --- | --- | --- |
|  | **Application for Type Approval of Welding Consumables** |  |
|  |  |
|  | To: NIPPON KAIJI KYOKAI | Date: |  |  |
|  |  | Branch | Ref. No.: |  |  |
|  |  |  |  |  |  |
|  | Name of applicant: |  |  |
|  | Address of applicant: |  |  |
|  | Person in charge: |  |  |
|  |  | Tel: |  | Fax: |  |
|  |  | E-mail: |  |
|  |  |  |  |
|  | We hereby request |  |
|  | [ ] type approval　[ ] change in the approved content 　[ ] revocation of type approval |  |
|  | of welding consumables in accordance with Chapter 1, Part 3 of Guidance for The Approval and Type Approval of Materials and Equipment for Marine Use. |  |
|  |  |  |
|  | 1. Name of works:
 |  |  |  |
|  | 1. Address of works:
 |  |  |  |
|  | 1. Brand name:
 |  |  |
|  | *Note 1: In case of submerged arc welding consumables, each brand of core wire and combination flax should be described.**Note 2: In the case where backing flux is applied, please select the type of backing flux below.*[ ] *Thermosetting type* [ ] *Non-thermosetting type* |  |
|  |  |
|  | 1. Material grades:
 |  |  |
|  | *Note 1: Suffix of shielding gas and hydrogen mark,etc., should be also described.**Note 2: In case of welding consumables not specified in Part M of the NK Rules, to be described as “Manufacturer’s Specification.” In this case, chemical composition (if applicable) and mechanical properties are to be provided.* |  |
|  | 1. Hydrogen Mark:
 | [ ] N.A.　[ ] H15　[ ] H10　[ ] H5 |  |
|  | *Method:* [ ] *Glycerine method* [ ] *Mercury method* [ ] *Gas chromatograph method* [ ] *Hot carrier gas extraction method)* |  |
|  | 1. Kind/Welding process:
 | *(The intended kind/welding process should be selected from Table 1 on the reverse side)* |  |
|  | 1. Welding position/Max. Diameter:
 | *(The intended welding position and max. diameter should be described in Table 1 on the reverse side)* |  |
|  | 1. Current:
 | [ ] AC　[ ] DCEP　[ ] DCEN |  |
|  | 1. Shielding gas
 |  |  |
|  | 1. Miscellaneous:
 |  |  |
|  | 1. Present Approval No./Certificate No. (In case of change/revocation of type approval):
 |  |  |
|  | 1. Desired date of welding test:
 |  |  |
|  | 1. Desired date of mechanical test:
 |  |  |
|  | Note: |  |  |
|  |  |  |
|  |  |  |

*(Note)*

*This application should be prepared for each brand of welding consumables (in case of submerged arc welding, application for every combination of wire and flux should be prepared.).*

**Table 1 Kind/Welding process**

|  |  |
| --- | --- |
| Kind | Welding Process |
| [ ] Electrodes for manual arc welding for mild steels, high tensile steels and steel for low temperature service(6.2, Chapter 6, Part M of NK Rules) | [ ] Manual welding |
| [ ] Gravity welding |
| [ ] Automatic welding consumables for mild steels, high tensile steels and steel for low temperature service[Welding technique：[ ] Multi-run (M)　[ ] Two-run (T) [ ] Multi-run and two-run (TM)](6.3, Chapter 6, Part M of NK Rules) | [ ] Submerged arc welding |
| [ ] MAG welding |
| [ ] MIG welding |
| [ ] Self-shielded arc welding |
| [ ] Semi-automatic welding consumables for mild steels, high tensile steels and steel for low temperature service(6.4, Chapter 6, Part M of NK Rules) | [ ] MAG welding |
| [ ] MIG welding |
| [ ] Electro-slag and Electro-gas welding consumables(6.5, Chapter 6, Part M of NK Rules) | [ ] Electro-slag welding |
| [ ] Electro-gas welding |
| [ ] One side automatic welding consumables for mild steels, high tensile steels and steel for low temperature service[Welding technique：[ ] One-run (SP)　[ ] Multi-run (MP)[ ] One-run and multi-run (SMP)](6.6, Chapter 6, Part M of NK Rules) | [ ] Submerged arc welding |
| [ ] MAG welding |
| [ ] MIG welding |
| [ ] Self-shielded arc welding |
| [ ] Welding consumables for stainless steel(6.7, Chapter 6, Part M of NK Rules) | [ ] Manual welding |
| [ ] TIG welding ([ ] Wire [ ] Filler Rod) |
| [ ] MIG welding |
| ☐Semi-automatic welding |
| ☐Submerged arc welding |
| ☐Welding consumables for aluminum alloys (6.8, Chapter 6, Part M of NK Rules) | ☐TIG welding ([ ] Wire [ ] Filler Rod) |
| ☐MIG welding |
| ☐Plasma arc welding |
| ☐Welding consumables for quenched and tempered high tensile steels for structures(6.9, Chapter 6, Part M of NK Rules) | [ ] Manual welding |
| [ ] Gravity welding |
| [ ] Submerged arc welding |
| [ ] Automatic welding (MAG welding) |
| [ ] Automatic welding (MIG welding) |
| [ ] Self-shielded arc automatic welding |
| [ ] Semi-automatic welding (MAG welding) |
| [ ] Semi-automatic welding (MIG welding) |
| ☐Others [Please clarify kind (including applicable parent material and its grades) and welding process] |

**Table 2 Welding position/Max. diameter**

|  |  |
| --- | --- |
| Butt Weld | Fillet Weld |
| Position | Max. Diameter | Position | Max. Diameter |
| [ ] Flat |  | mm | [ ] Flat |  | mm |
|  |  |  | [ ] Horizontal Vertical |  | mm |
| [ ] Horizontal |  | mm | [ ] Horizontal |  | mm |
| [ ] Overhead |  | mm | [ ] Horizontal Overhead |  | mm |
|  |  |  | [ ] Overhead |  | mm |
| [ ] Vertical Upward |  | mm | [ ] Vertical Upward |  | mm |
| [ ] Vertical Downward |  | mm | [ ] Vertical Downward |  | mm |