

DIN EN 14730-2:2021-06 (E)

Railway applications - Track - Aluminothermic welding of rails - Part 2: Qualification of aluminothermic welders, approval of contractors and acceptance of welds

| Contents | Page |
|--|-------------|
| European foreword | 3 |
| Introduction | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Terms and definitions | 5 |
| 4 Qualification of aluminothermic trainers and welders | 7 |
| 4.1 Training requirements | 7 |
| 4.2 Duration of training | 7 |
| 4.3 Examination | 7 |
| 4.4 Diploma | 8 |
| 4.5 Permit to Weld | 8 |
| 4.6 Welder identification | 9 |
| 4.7 Welder records | 9 |
| 5 Approval of Aluminothermic Welding Contractors | 9 |
| 5.1 General | 9 |
| 5.2 Welding Quality Management System | 9 |
| 5.3 Welding Coordination | 10 |
| 5.4 Aluminothermic Welders | 10 |
| 5.5 Training | 10 |
| 5.6 Equipment | 10 |
| 5.7 Purchase, Management and Control of Consumables | 10 |
| 5.8 Weld Inspection | 10 |
| 5.9 Traceability | 10 |
| 5.10 Audits | 11 |
| 6 Acceptance of Aluminothermic Welds | 11 |
| 6.1 General | 11 |
| 6.2 Weld Inspector | 11 |
| 6.3 Weld Inspection | 11 |
| 6.4 Geometric Requirements | 11 |
| 6.5 Weld Integrity | 17 |
| 6.6 Documentation | 17 |
| Annex A (informative) Diploma in Aluminothermic Welding of Rails | 18 |
| Annex B (informative) Permit to Weld | 19 |
| Annex C (normative) Check list | 20 |
| Bibliography | 21 |