



WELDING CONSUMABLE SELECTIONS: A PRACTICAL APPROACH

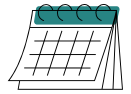


Evolve by TCR

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**Fees: INR 5,000/- for single
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**26th October
2024**

Course Content

- Selection of welding consumables from ASME codes for similar material joints, including considerations of alloy matching, strength, toughness, and corrosion resistance.
- Challenges and criteria in selecting consumables for dissimilar metal joints, addressing issues like phase compatibility, dilution effects, and potential for cracking.
- Real-world examples and case studies illustrating the successful selection of welding consumables for both similar and dissimilar joints, highlighting lessons learned and best practices.
- Q & A Sessions.

Who should attend

- Welding professionals,
- QA/QC personnel,
- Welding aspirant, Graduate,
- Post-graduate

Objective

- Learn to choose the best welding consumables for both similar and dissimilar metal joints.
- Identify and prevent common problems, like cracking, that can arise from using the wrong consumables.
- Gain a clear understanding of the basic principles of welding metallurgy and how it is affected by the consumable selections.

About Faculties



Mr. M. N. Patel, Ex. Associate Professor Metallurgy & Materials Engg Dept.

Education: BE & ME in Metallurgy.

Experience: Has 33 years of teaching experience in UG and PG level in subjects like Plastic Deformation of Metals, Mechanical Metallurgy, NDT and Failure Analysis, Mechanical behavior of materials, Selection of Materials and Failure Analysis, Physical Metallurgy and Welding Metallurgy.

Expertise: In physical metallurgy, micro structural analysis, scanning electron microscopy, welding metallurgy, failure analysis.

Subject Matter Expert (Another Faculty)

Education: ME in Metallurgy Engineering, PhD in Welding Technology.

Experience: 15+ Years of experience in welding consumable testing, consumable selection for similar-dissimilar metals.

Expertise: Welding Processes, Metallurgy, expert in delivering professional training on welding codes ASME SEC VIII Div 1, ASME-IX, BS EN ISO Welding Qualifications WPS-PQR-WPQ.



Mr. Kamlesh Rana, Technical Manager, TCR Advanced

Education: Diploma in Mechanical Engineering.

Experience: 38 years of in QA /QC department of fabrication industry, fitting & Forging manufacturing.

Expertise: ASME Code Specification, specifically Sec IX. VIII, II A,B,C. AWS qualified welding Engg. API Qualified Internal Auditor. ASNT level 2 RT , UT, PT, MPI.

Subject Matter Expert (Another Faculty)

Education: PhD in Metallurgy Engineering, International Welding Technologist (IWT),

Experience: 12+ Years of experience in Welding Training.

Expertise: Welding Metallurgy of Stainless Steels, dissimilar metal welding, expert in delivering professional training on welding codes ASME SEC VIII Div 1, ASME-IX, BS EN ISO 15614-1, ISO 9606-1, ISO 14732, AWS D1.1, Welding Qualifications WPS-PQR-WPQ.



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