

Welding Consumables Storage & Inspection Checklist

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GENERAL STORAGE CONDITIONS

- Is the storage area kept below 50% relative humidity?
- Is the storage area temperature maintained between 60-80°F (15-27°C)?
- Are all consumables labeled with type, batch number, and open date?
- Are storage areas clean, dry, and free of dust or contaminants?
- Are filler metals segregated by alloy and process type?

STICK ELECTRODES (SMAW)

- Are unopened packages stored in a dry, temperature-controlled environment?
- Are low-hydrogen electrodes transferred to rod ovens immediately after opening?
- Are rod ovens maintained at 250-300°F (121-149°C)?
- Are sealed tubes or hot boxes used for transporting rods to job sites?
- Are exposed electrodes discarded after exceeding allowable exposure time?

MIG/TIG WIRE STORAGE

- Are wire spools stored in original packaging until use?
- Are desiccants used inside wire cabinets or containers?
- Are partially used spools protected with dust covers or plastic wrap?
- Are wires clean and free of rust, kinks, or contaminants?
- Are TIG filler rods stored in sealed tubes with proper labeling?

FLUX STORAGE (SAW OR BRAZING)

- Is flux stored in airtight, sealed containers?
- Is unused flux not returned to main storage if exposed to contaminants?
- Are flux bins equipped with dedicated, clean scoops and tools?
- Are drying ovens used for SAW flux and set per manufacturer specs (typically 300-400°F)?
- Are caked, discolored, or clumpy fluxes removed and discarded?

HANDLING & INSPECTION PRACTICES

- Are gloves or tongs used when handling consumables to avoid skin oil contamination?
- Is there a documented first-in, first-out (FIFO) inventory rotation system?

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- Are tools and containers used for consumables regularly cleaned?
- Are consumables inspected visually for rust, oxidation, or physical damage before use?
- Are expired or damaged consumables disposed of per shop policy?