

KELI TECHNICAL RESOURCES

SML INSTALLATION & HANDOVER CHECKLIST

Pre-installation, assembly, inspection and document-control guidance

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EN 877 cast iron drainage products, fittings, couplings and OEM casting support

Purpose and limitations

This checklist helps project teams prepare, inspect and document installation of socketless cast iron drainage pipes, fittings and couplings. It does not replace project design, local regulations, approved shop drawings or a model-specific controlled installation manual.

1. Before selection and approval

- Confirm project country, building type and governing specifications.
- Identify soil, waste or rainwater duty and installation location.
- Confirm nominal diameters, routing, vertical/horizontal sections and space constraints.
- Identify fire-stopping, acoustic, corrosion, movement and special approval requirements.
- Confirm that pipes, fittings, couplings and seals form an approved and compatible system.

2. Delivery and storage

- Check product labels, quantities and visible condition against delivery documents.
- Protect pipe ends, coatings, fittings, seals and fasteners from impact, dirt and water contamination.
- Store products on stable supports and segregate damaged or unidentified items.

3. Pre-installation checks

- Verify the latest approved drawings, product data and method statement are available.
- Inspect pipe ends, fitting ends, seals and coupling parts for damage, contamination or deformation.
- Confirm cutting, end-treatment and coating-repair materials are approved for the product series.
- Confirm the correct tools and calibrated torque equipment are available where specified.

4. Cutting and end preparation

- Measure and mark cuts square to the pipe axis.
- Use an approved cutting method and remove burrs or sharp edges without damaging the pipe.
- Clean the cut end and apply the confirmed repair/coating system before assembly where required.
- Do not publish or apply generic repair thicknesses or drying times without a controlled product instruction.

5. Alignment and coupling assembly

- Align pipe and fitting ends without forcing the joint; maintain the approved gap and insertion position.
- Ensure the elastomeric seal is clean, correctly oriented and fully seated.
- Position the metal coupling band and fasteners evenly around the joint.
- Tighten progressively and evenly using the confirmed sequence and model-specific torque.
- Do not use an assumed torque value: coupling type, bolt arrangement and seal design can differ.

6. Supports, movement and penetrations

- Install brackets, anchors and supports to the approved project layout.
- Provide movement control, thrust restraint and access where required by the system design.
- Coordinate wall/floor penetrations, acoustic treatment and fire-stopping with approved project details.
- Support spacing and fixing details must be taken from approved engineering documents.

7. Inspection, testing and handover

- Visually inspect alignment, supports, joints, coating repairs and access points.
- Perform the specified leakage or system test under the approved method and safety controls.
- Record non-conformities, repairs and retest results.
- Compile product data, approved drawings, inspection records, test records and maintenance guidance.

8. Site inspection record

Check item	Status / record
Products and quantities verified	■ Pass ■ Corrected ■ N/A Notes: _____
Ends, fittings, seals and couplings inspected	■ Pass ■ Corrected ■ N/A Notes: _____
Cut ends treated using approved method	■ Pass ■ Corrected ■ N/A Notes: _____
Joints aligned and assembled	■ Pass ■ Corrected ■ N/A Notes: _____
Torque method / record confirmed	■ Pass ■ Corrected ■ N/A Notes: _____
Supports and penetrations checked	■ Pass ■ Corrected ■ N/A Notes: _____
System test completed	■ Pass ■ Corrected ■ N/A Notes: _____
Defects closed and handover documents compiled	■ Pass ■ Corrected ■ N/A Notes: _____

Project / location	_____
Installer / inspector	_____
Date	_____
Reference drawing / method	_____

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Notice: Product-specific torque, support spacing, test pressure and repair parameters must come from confirmed controlled documents. Do not infer these values from unrelated products or third-party literature.