

Mapedrain TD Fittings

Fittings for Installing *Mapedrain™ TD Drainage Composite*



DESCRIPTION

Mapedrain TD Fittings consist of end outlet, side outlet, splice and corner fittings that are made out of polyethylene and assist in installing *Mapedrain TD Drainage Composite*. The end outlet fitting connects the end of *Mapedrain TD Drainage Composite* to a 4" (10 cm) corrugated pipe. The side outlet fitting connects the side of *Mapedrain TD Drainage Composite* to a 4" (10 cm) corrugated pipe. The splice fitting connects two pieces of *Mapedrain TD Drainage Composite* end to end. And the corner fitting connects two pieces of *Mapedrain TD Drainage Composite* together, at the inside or outside corners of a building.

FEATURES AND BENEFITS

- Aids in the installation of *Mapedrain TD Drainage Composite*
- The end and side outlet fittings easily connect *Mapedrain TD Drainage Composite* to a 4" (10 cm) corrugated pipe to discharge water from the foundation.
- The splice and corner fittings easily connect two pieces of *Mapedrain TD Drainage Composite* end to end or around a corner.
- The 12" (30 cm) lightweight polyethylene fittings will not crack or break during backfill installation.
- *Mapedrain TD Fittings* are unaffected by permanent immersion in water, bacteria, dilute acids and alkalis and will not deteriorate when exposed to these eliminates.
- The *Mapedrain TD* drainage composite and fittings offer below-grade relief of hydrostatic pressure against foundation and retaining walls, when connected to a passive gravity drain or operational sump pump.

WHERE TO USE

- *Mapedrain TD Fittings* are designed to assist in the installation of *Mapedrain TD Drainage Composite* at vertical foundation structures, retaining walls and blindside applications.

LIMITATIONS

- Do not leave *Mapedrain TD Fittings* permanently exposed to ultraviolet (UV) light.
- Backfill must be uniformly compacted in lifts and must consist of clean, compactible soil. If angular aggregate is desired, it must be 3/4" (19 mm) or less, and free of debris, sharp objects and stones larger than 3/4" (19 mm).

SUITABLE SUBSTRATES AND SURFACE PREPARATION

- Before installation of *Mapedrain TD*, the substrate must be properly prepared or the waterproofing membrane completely installed, except in blindside waterproofing applications.
- **Vertical (general):** Substrates may be concrete, shotcrete, wood lagging, steel sheet piling or secant piles. Substrates should be smooth and uniform without sharp protrusions or pockets. Fill tie-rod holes, honeycombs and voids with a non-shrinking cement-based grout. Grind all form fins, ridges and sharp corners, and remove excess concrete.
- **Wall lagging:** *Mapedrain TD* can be installed over wood lagging gaps up to 2-1/2" (63 mm). Gaps larger than 2-1/2" (63 mm) should be completely filled with construction grout, wood or extruded polystyrene (at a minimum of 40 psi [0.28 MPa]). Do not use plywood or any other surface treatment that leaves voids in the lagging gaps.

PRODUCT APPLICATION

The *Mapedrain TD* drainage composite and fittings can be installed against retaining walls, foundation walls (both waterproofed and non-waterproofed) and lagging in conjunction with *Mapedrain* panels. *Mapedrain TD Drainage Composite* can be cut to fit the application with a utility knife or scissors. Backfill or gravel may be placed directly onto *Mapedrain TD Drainage Composite*. *Mapedrain TD Fittings* should be used at inside/outside corners and discharge outlets.

For standard installation details, follow the *Mapedrain* detail drawings. For non-standard installation instructions, contact a MAPEI representative.

Foundational Walls and Vertical Applications

Foundation drainage collector/discharge system

1. Install *Mapedrain TD Drainage Composite* vertically with the dimple side toward the soil.
2. Place *Mapedrain TD Drainage Composite* as required and adjacent to *Mapedrain* panels per the project's construction documents. Care must be taken to ensure a continuous drainage path between *Mapedrain TD Drainage Composite* and *Mapedrain* panels.
3. Determine the locations for *Mapedrain TD Fittings*. Cut *Mapedrain TD Drainage Composite* to the proper length between fittings, allowing for extra length for insertion into fittings. Insert *Mapedrain TD Drainage Composite* completely into the fittings. Attach the fabric of *Mapedrain TD Drainage Composite* to the fittings using duct tape.
4. Secure the fittings and *Mapedrain TD Drainage Composite* to the base of the wall with soil, a *Mapebond*[™] contact adhesive, *Mapeflex*[®] P1 FT or *Mapeflex* P2 NS. If no waterproofing was used, secure the fittings and

- Mapedrain TD Drainage Composite* with 1" (2.5 cm) washers and fasteners that are compatible with the substrate.
- 5. Connect the end outlet and side outlet fittings to 4" (10 cm) corrugated plastic drain pipe and run them to a sump pump or daylight. Special care should be taken to properly compact soil under the drain pipe to prevent settling of the drain pipe.
 - 6. Backfill and compact soil in lifts.

Storage

Protect product from UV light exposure. Store on a skid or pallet, and cover with polyethylene or tarp.

CSI Division Classification

Subdrainage	33 46 00
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Packaging

- Mapedrain TD* end outlet fittings: 10 per case
- Mapedrain TD* side outlet fittings: 10 per case
- Mapedrain TD* splice fittings: 10 per case
- Mapedrain TD* corner fittings: 10 per case

ADDITIONAL INFORMATION

For information on MAPEI’s commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).



LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

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For the most current product data and BEST-BACKEDSM warranty information,
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