

Schluter®-KERDI-SHOWER-FRS

SUBFLOOR RECESSING SYSTEM FOR CURBLESS SHOWERS

Schluter-KERDI-SHOWER-FRS is a floor recessing system for curbless shower applications, featuring galvanized steel brackets that create a stable support structure for a lowered subfloor. The system includes two bracket types: J-brackets that fasten to the tops of joists, and P-brackets that fasten around the perimeter, allowing the subfloor to be recessed by 11/16" (17.5 mm) without structural modification or adding ledger boards. KERDI-SHOWER-FRS is designed for use with KERDI-DRAIN point drains and KERDI-SHOWER prefabricated trays and fits dimensional lumber or I-joists spaced up to 19.2" (488 mm) o.c.

Features and Benefits

- Galvanized steel brackets provide stable support for recessed subfloors
- No modification to joists maintains structural integrity
- Lowers the subfloor by 11/16" (17.5 mm) to simplify the construction of curbless showers
- Top fastening minimizes interference with plumbing, HVAC, and electrical within floor cavities
- Designed for curbless shower installations with KERDI-DRAIN point drains
- Compatible with a variety of KERDI-SHOWER prefabricated trays
- Integrates with the Schluter-Shower System for a fully waterproof assembly



Where to Use

- For recessed shower installations in structures built with wood frame construction, using dimensional lumber or manufactured I-joist, spaced up to 19.2" (488 mm) o.c.

Limitations

- KERDI-SHOWER-FRS does not currently support use with 24" (610 mm) o.c. joist spacing and is not intended use in masonry construction
- This system is designed for standard 3/4" (19 mm) subfloor construction.
 - If subfloor sheeting is 5/8" (16 mm), KERDI-SHOWER-FRS shims must be used with the system.
- No substitution may be made for the systems fastener components.
 - Screws are specifically selected for their intended purpose and installation conditions.

Material Properties

- Galvanized Steel Brackets
 - High structural strength suitable for load-bearing applications
 - Corrosion resistant
 - Moisture resistant
- Zinc-Coated Steel Screws
 - Corrosion resistant
 - High tensile strength for secure fastening and load retention
 - Moisture resistant
- HDPE Plastic Shims
 - High chemical resistance
 - Moisture resistant
 - Impact resistance and flexibility without cracking



Preparation

1. Determine the on-center (o.c.) spacing of your joists. KERDI-SHOWER-FRS supports joist spacing up to 19.2" (488 mm) o.c.
2. Review installation instructions and obtain necessary additional materials for your installation.
3. If you have 5/8" (16 mm) plywood/OSB the use of KERDI-SHOWER-FRS Shims will be required.
4. Check local code(s) or the authority having jurisdiction (AHJ) to determine if secondary drainage is required for curbless shower applications. KERDI-DRAIN-F may be used for secondary drainage.
5. Careful planning should be used when installing the FRS system. For a full list of planning steps, additional materials required and a step-by-step guide on installing the KERDI-SHOWER-FRS Floor Recessing System, refer to the installation instructions available at schluter.com.

Installation

1. Create wall bottom plate access.
2. Locate, trace, and cut out the intended sections of floor to be recessed.
3. Layout and install J- and P-brackets per the Bracket Placement Diagram in the KERDI-SHOWER-FRS Installation Instructions.
4. Measure, cut, and secure the plywood inserts to the bracket ledges in the open section of floor.
5. Dry fit tray, measure, cut, and install plywood/OSB filler piece in the recessed section that the tray does not occupy.
6. Perform any needed leveling such that the tray and adjacent Schluter membrane are as flush as possible.
7. Install shower tray and waterproof the bathroom per standard Schluter methods.

Note: Because wet areas and dry areas are not clearly defined in curbless showers, Schluter-Systems recommends that the bathroom be sufficiently protected against water and moisture. Use the appropriate Schluter-Systems waterproofing products in all floor areas subject to water exposure (i.e., wet area and drying area). Seams and floor-to-wall connections shall be sealed with KERDI-BAND.

Maintenance

- KERDI-SHOWER-FRS is installed in the floor under the shower assembly and requires no special maintenance or care. The system's components are resistant to mold and fungi.

Cutting J-brackets

Galvanized steel J-brackets (**Note:** Do not cut P-brackets) may be cut using any of the following options:

- Variable-Speed Angle Grinder set to the lowest speed using the PROCUT-TSM cutting wheel.
- Band Saw with a metal cutting blade. Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Industry Standards and Sustainability Designations:

Physical Characteristics	
Composition	Galvanized steel (brackets)
	Zinc coated (screws)
	HDPE Plastic (shims)
	KERDI-SHOWER-FRS's galvanized steel brackets have high strength and corrosion resistance
Sustainability Information	
SDS	Available
Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov



Product Table:



Subfloor Recessing Kits for Curbless Showers

Schluter®-KERDI-SHOWER-FRS		Subfloor recessing kit for curbless showers				
Item No.	Area	Quantity				
		J brackets	P brackets	Self-tapping screws		Wood screws
				2-3/4"	1-5/8"	1-1/8"
KS FRS K12	12 ft²	14	21	50	105	40
KS FRS K16	16 ft²	18	27	50	105	40

Contents				
	J brackets For joists		P brackets For perimeter	
				Self-tapping screws 2-3/4" (70 mm)
				
				Self-tapping screws 1-5/8" (41 mm)
				
				Wood screws 1-1/8" (29 mm)

Bracket Kits

Schluter®-KERDI-SHOWER-FRS		J Brackets - for Joists		
Item No.	Contents			
KS FRS KJ2	2x J brackets For joists		15x Self-tapping screws 1-5/8" (41 mm)	5x Wood screws 1-1/8" (29 mm)

Schluter®-KERDI-SHOWER-FRS		P Brackets - for Perimeter		
Item No.	Contents			
KS FRS KP4	4x P brackets For perimeter		10x Self-tapping screws 2-3/4" (70 mm)	15x Self-tapping screws 1-5/8" (41 mm)

Shims

Schluter®-KERDI-SHOWER-FRS		Shims
Item No.	Qty / Package	Contents
KS FRS SH60	60	 60x Shims

**Additional Resources Available Online:**

- Installation Handbooks (Shower System, DITRA, DITRA-HEAT)
- Safety Data Sheets
- Installation and Instructional Videos

Visit the [Schluter website](https://www.schluter.com)

Or scan here:

**Warranties:**

Schluter-Systems products and systems are covered under our warranty program, as applicable. For details and to access Schluter-Systems' warranty documents:

Visit www.schluter.com/warranties

Or scan here:



To obtain hard copies, please contact Customer Service at: 800-472-4588 (USA) or 800-667-8746 (Canada).

