



# Ditra Heat

## DATE

January 2022

## RECOMMENDATION

H.B. Fuller Construction Products Inc. recommends the use of TEC® Level Set® 500 HF and TEC Level Set 300 over Schluter Ditra Heat in residential to light commercial settings provided that the substrate is concrete or approved wood, and the thickness of the self-leveling underlayment is at least 3/8" above the top of the studs.

## Discussion

Testing was done on 16" o.c. tongue-and-groove OSB with Ditra Heat. The membrane was installed with Quik Flex® and allowed to cure for one day. TEC Level Set 300 (SLU) was mixed according to the instructions on the bag and poured 3/8" over the top of the studs. The depth of the pour and the studs mechanically holding the SLU in place meant that no priming was required.

After the SLU cured for 24 hours, luxury vinyl tile (LVT) was installed using TEC Flexera® and Parabond® 4700. Flexera and 4700 were both installed according to the instructions on the pail using a 1/16" square-notch trowel. Once the LVT was installed, the panel remained untouched for 5 days.

The panel was subject to ASTM C627- Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester. The loading schedule is included in Figure 1.

Cycle	Type of Wheels	Total Weight per Wheel lbs (kg)	Duration of Test, h	Total Number of Revolutions
1	soft rubber	100 (45)	1	900
2	soft rubber	200 (91)	1	900
3	soft rubber	300 (136)	1	900
4	soft rubber	300 (136)	1	900
5	hard rubber	100 (45)	1	900
6	hard rubber	200 (91)	1	900
7	hard rubber	300 (136)	1	900
8	hard rubber	300 (136)	1	900
9	steel	50 (23)	1/2	450
10	steel	100 (45)	1/2	450
11	steel	150 (68)	1/2	450
12	steel	200 (91)	1/2	450
13	steel	250 (114)	1/2	450
14	steel	300 (136)	1/2	450

Figure 1. Loading schedule for ASTM C627.

After each cycle, the panel was reviewed to see if there was any damage. If it passed, the testing would continue onto the next cycle.

The Ditra Heat and Level Set 300 system passed Light Commercial rating with 16" o.c. tongue-and-groove OSB. Similar results are expected over concrete substrates.

## Questions?

Call the Technical Support Hotline at 1-800-832-9023.

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H.B. Fuller Construction Products Inc. | 1105 South Frontenac Street Aurora, IL 60504-6451