



## For indoor and outdoor use

### 1. Shopping Checklist:

- **ThermoDyn** - Classic (bagged goods) (art. no.: 020-01-01001)
- **ThermoDyn** - Classic fill (bagged goods) (art. no.: 020-01-01-3003)
- **ThermoDyn** - NiviLock 02 (Tile filler) (art. no.: 029-06-02-1002)
- **ThermoDyn** - Edge insulation strips (RDS) (art. no.: 029-07-01-1003)
- **ThermoDyn** - Tool Clean (tool cleaner) (art. no.: 070-05-02-3005)
- **ThermoDyn** - foil vapour barrier 150 ym (art. no.: 029-10-1001)
- **ThermoDyn** - Tool Set 5 (art. no.: 020-02-02-1005)

### ThermoDyn Produktion & Handel Kern

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### 2. What tools are needed:

Metal or synthetic solder trowel, compulsory mixer or hand whisk, laser, spirit level, folding rule, peel-off bar or robot, **ThermoDyn** cleaner (Tool Clean), immersion heater, mortar tub + bucket, gloves, edge strips with Takerer and as desired and required. See also our online shop: [www.thermodyn-shop.eu](http://www.thermodyn-shop.eu)

### 3. With the quality of ThermoDyn:

**ThermoDyn** / dry composite screed facilitates the insulation and levelling of demanding substrates and floor surfaces. Its simple laying and processing as an optimal height levelling compound (on wood, concrete and other solid load-bearing substrates) enables time-consuming and labour-intensive work to be carried out in the simplest and most uncomplicated way. The material guarantees a full-surface, cavity-free connection under the most different materials by simple penetration of the height levelling compound. There are only limited limits to the application indoors or outdoors. An optimal application for building renovations and new buildings with wood, concrete, fill and steel construction surfaces such as in terraces, conservatories, damp rooms or anywhere where a cost-effective and quick installation is necessary. Does this product bring you the desired advantage.

### 4. Important: The substrate

**ThermoDyn** adheres to all solid, load-bearing, dry and dimensionally stable substrates. No special pre-treatment or cleaning of the substrate is necessary. The adhesion surface (substrate) must be cleaned of soft and unstable dirt (**broom clean**). Must be free of moisture and form a load-bearing and stable layer. If necessary, fix with **ThermoDyn** Reinforcement Floor Grid Type1 or 2. The substrate must be able to absorb the pressure loads of the topsoil and dissipate them through the intermediate layers (ThermoDyn).

### 5. Consumption TDyn Classic:

Height (mm)	Consumption approx. (kg/m <sup>2</sup> )	Area per bag approx. (m <sup>2</sup> )
20	11	1,70
30	16	1,20
40	22	0,90

Mean value determined by tests



### 6. Attachment Ratio:

Mix **ThermoDyn** granulate with binder (enclosed packaging) evenly with a compulsory mixer or double whisk for approx. 2 - 3 minutes until homogeneous. Until a uniform mixing has taken place. Only mix as much material as can be processed in 30 minutes. Empty the enclosed binder packaging completely. If necessary, warm up in a warm water bath (approx. 40°C) for better mixing. Pay attention to and strictly avoid direct sunlight and rain. After a curing time of approx. 24 - 48 hours (at an ambient temperature of 20°C), further work can be started (the surface must be walkable). The curing time varies depending on the thickness of the structure and the ambient temperature of the ground.

### 7. Easy processing and preparation:

- **Uneven** surfaces do not have to be pre-treated for **ThermoDyn**. Apply evenly mixed compound (without lumps) to substrate, fix with trowel and press down in steps. Then level with a squeegee or spirit level and smooth and press with a trowel.
- To prevent sticking to your tool we recommend our special anti-stick cleaner "ToolClean".
- Install pipelines without insulation (without foam jacket). Check the compressive strength accordingly ??
- To increase unevenness and compressive strength. Should then be fixed in the floor bed by means of a filler (TDyn NiviLock) ThermoDyn Classic.
- To improve the impact sound properties of **ThermoDyn** and the top floor can be laid professionally. An edge strip (**TDyn RDS**) must be attached to the contact surface with the wall beforehand.
- An interruption of the work is possible without problems. After **ThermoDyn** has cured at the transition point, further application of the renewed compound is possible without loss of quality.

### 8. The top layer / topsoil:

- The surface of **ThermoDyn** must always be covered with a wear layer to prevent grain detachment (e.g. filler, tiles). **Stress cracks in the filler are also possible and do not represent a defect. The filler only has the task of levelling out the surface and increasing the pressure area.**
- With flexible and bulky upper floors (e.g. PVC, carpets, wood, laminate, stone...) an increase of the pressure surface by a floor levelling compound (NiviLock) is necessary (min. 2-3mm coverage over grain). The proportion of water added to the floor levelling compound must always comply with the specifications in the working instructions. For further processing with laminate, tiles, carpet, wood flooring or similar utility floors, the above-mentioned top coat sealers on **ThermoDyn** are required (tile filler).
- To improve the coupling surface, a primer must be applied, if possible, to the tile filler for further application of the top floors. If not worked wet-on-wet.
- Is it intended to glue the top floor/usable floor (laminate, carpet, wooden floor...) force-fit on **ThermoDyn**. The filler must be sanded evenly beforehand in order to create a sufficient coupling surface for the bonding. If possible, a decoupling mat should be considered and installed.

### 9. General Notes:

- Ensure sufficient ventilation.
- Processing ambient temperature -20°C to +30°C.
- Store container well closed and dry (room temp. min. 5°C).
- Storage temperature: 0°C - 30°C. Avoid direct sunlight.
- Protect not yet hardened coating from sun and rain. Wear gloves.
- When installing synthetic flooring as a top floor, a moisture barrier layer is recommended.
- The above information can only be general advice. The working conditions which are beyond our control and the variety of different materials exclude any claim based on this information. In case of doubt, we recommend that you carry out sufficient tests yourself. Our general terms and conditions apply - which you can view on the Internet. The S and R rates apply.
- Disposal instructions: Dispose of product residues accordingly. Shelf life - 6 months after delivery note date or packaging date.

Tel. consultation:

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