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## Miele Mate

A doormat with heating and cooling function through Peltier cooling

### Observation

Life becoming more and more fast so people don't have time to receive products by themselves. Through this tendency people order more goods like food, groceries and medication online and they need a place to store it till they arrive home.

### Conclusion

Therefore people need a place where the goods can stay chilled|warm till they arrive at home. This place needs to be well integrated in there actually live conditions and needs to be as easy and accessible as possible.



**Miele**

*Miele* Mate  
Cool|Hot deliveries & Warm feet

Cool side for groceries, medication etc.

Warm side for foodelivery and warm feet

**Solution**

Every door has a doormat, that's where people put their shoes or the delivery man puts the package. That's a perfect point for a natural integration. The solution is a double-sided customizable doormat called Miele Mate (Mate English for friend). Equipped with Peltier cooling modules one side will be warm and the other cold. One will be for chilling deliveries the other for warm deliveries like pizza etc. and of course for warming your shoes. The best, usable for everyone without expert knowledge

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**Miele**

Natural integration inside and outside

Customization hot and cold side

Heating and Cooling funktion

cold side

warm side

Easy to use for everyone. Just plug in usb or regular.

### Pain Point

Most products lack of a natural integration and emotional quality. As well have only one specific use. Miele Mate is the most natural integration to the place in front of your door as a customizable cooling and heating mat easy usable for everyone. Miele Mate the footmat of 2025.

Status: 15.06.2018

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Product in its environment

Miele Mate is double - sided one for cooling and one for heating. A weight sensor detects the goods and the mat starts to warm or cool only on the spot where the package is dropped. Although it reports the receive to users smartphone. Anti theft can be combined with the weight sensor.

Status: 15.06.2018

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Mate

Front side



Front side of Miele Mate is cool and cools the delivery by contact cooling.

Back side



Back side of Miele Mate is warm and keeps you pizza warm as well as your shoes. Although can be used inside the house.

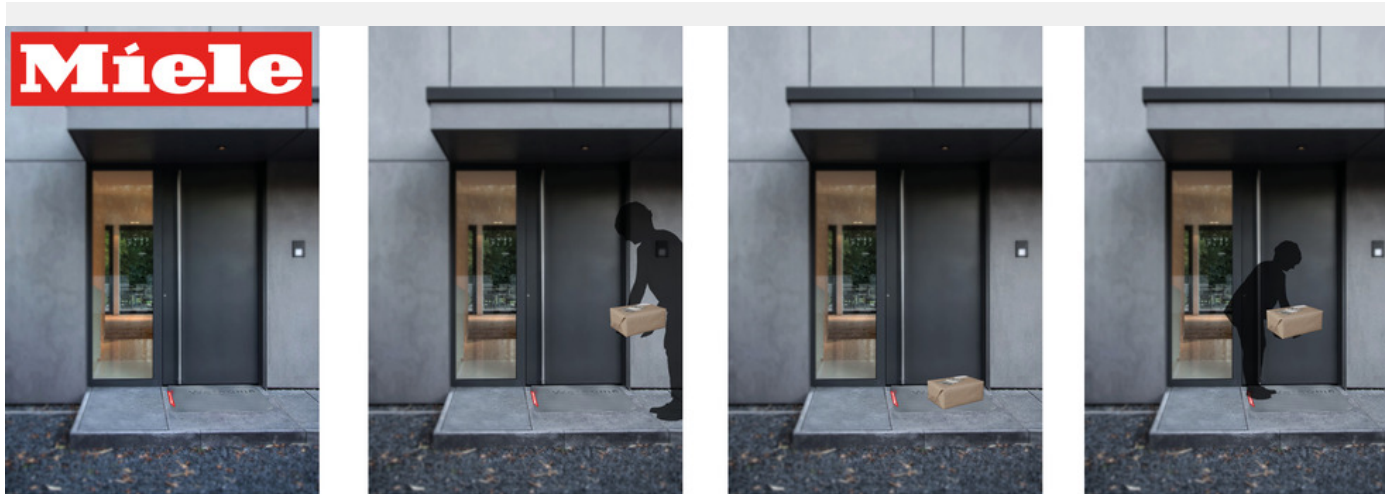
Product views

Miele Mate is super easy to use for everyone. Plug it in and you are ready to go. In front of the door to receive cold or hot product. Inside your home to warm your shoes or for anything you want to keep hot or cold. Even in the car, plug in and warm or cool your stuff.

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1

Miele Mate is put on cooling side in front of the door, waiting for delivery.

2

Postman brings cool delivery and puts it on Miele Mate.

3

Weight Sensor is activated Miele Mate starts cooling only on the spot where the Packet is placed.

4

When at home, cool delivery can brought to the fridge.

Product in use

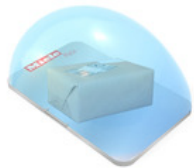
Miele Mate adapts to already existing system. Placing the package in front of the door, holding it hot|cold till you pick it up. Moreover Miele Mate allow easy sharing between neighbors and others and as an extra, gives Miele a great stage for promotion in front of everyones door.

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Possible development directions

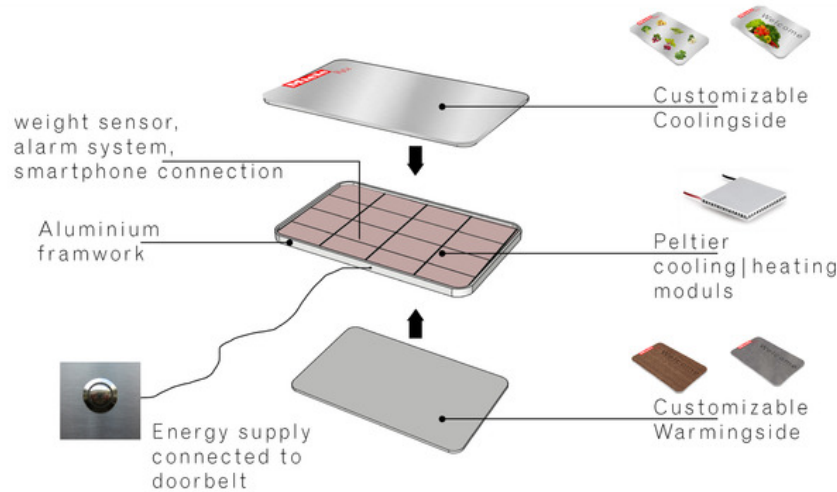


A integrated membran which can be stretch over the deliver.



Special Miele boxes which fit perfect to Miele Mate

Actual development for the technical implementation:



Additional info

The mat can still be developed a few different directions. That's the basic concept based on further research the Miele Mate although could work with special Miele Boxes for an equal cooling process or equipped with an synthetic hood.

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### Creative's profile



**Simon Stolz** **PRO**  
Regensburg, Germany

### Creative's top 5 skills

Architecture, Illustration, Product Design, Communication Concept, Service Design

### Third party materials used

<https://www.cube-magazin.de/magazin/duesseldorf/artikel/monolith-in-anthrazit#gallery-3>

<https://www.cube-magazin.de/magazin/duesseldorf/artikel/monolith-in-anthrazit#gallery-3>

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<https://www.gizbot.com/apps/how-to-track-your-package-without-the-tracking-number-048516.html>

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<https://techshop.lk/product/peltier-module>

<https://www.amazon.de/thermobox-Sport-Freizeit/s?ie=UTF8&page=1&rh=n%3A16435051%2Ck%3Athermobox>