

SHARP

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TEKIjuN

Introduction of “TEKIjuN”

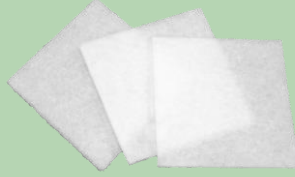
Sharp Semiconductor Innovation Corporation

Concept

Unlike conventional desiccants and humidifiers, the new humidity control material "TEKIjuN" provides a moderately humid environment that is neither excessively dry nor excessively moist, ensuring **comfort for people** while preserving the **quality and condition of objects**.

The logo consists of the word "TEKIjUN" in a bold, white, sans-serif font. The letter 'j' is lowercase and has a dot above it. The text is centered within a solid blue rectangular background.

Emphasis on
speed



Sheet type

POINT
01

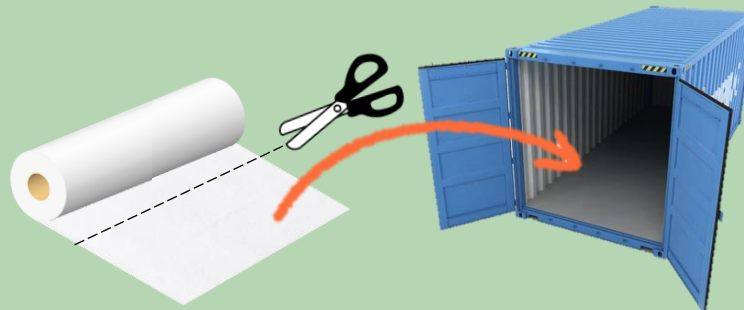
**Rapid Moisture
Absorption/Desorption**

POINT
02

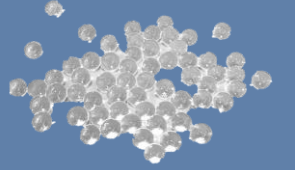
Natural Release of Moisture

POINT
03

Thin, Light and Soft



Emphasis on
precision



Bead type

POINT
01

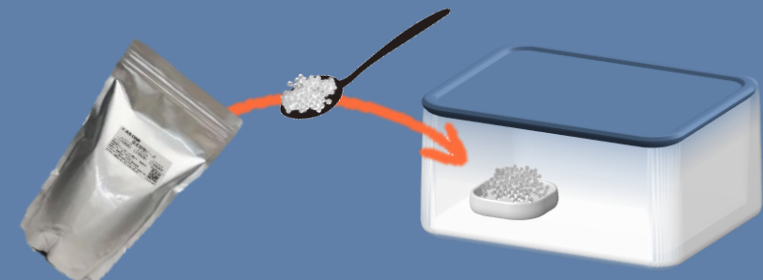
**Precise Humidity Control in Any
Environment**

POINT
02

Consistent Humidity Maintenance

POINT
03

Convenient and Easy to Use



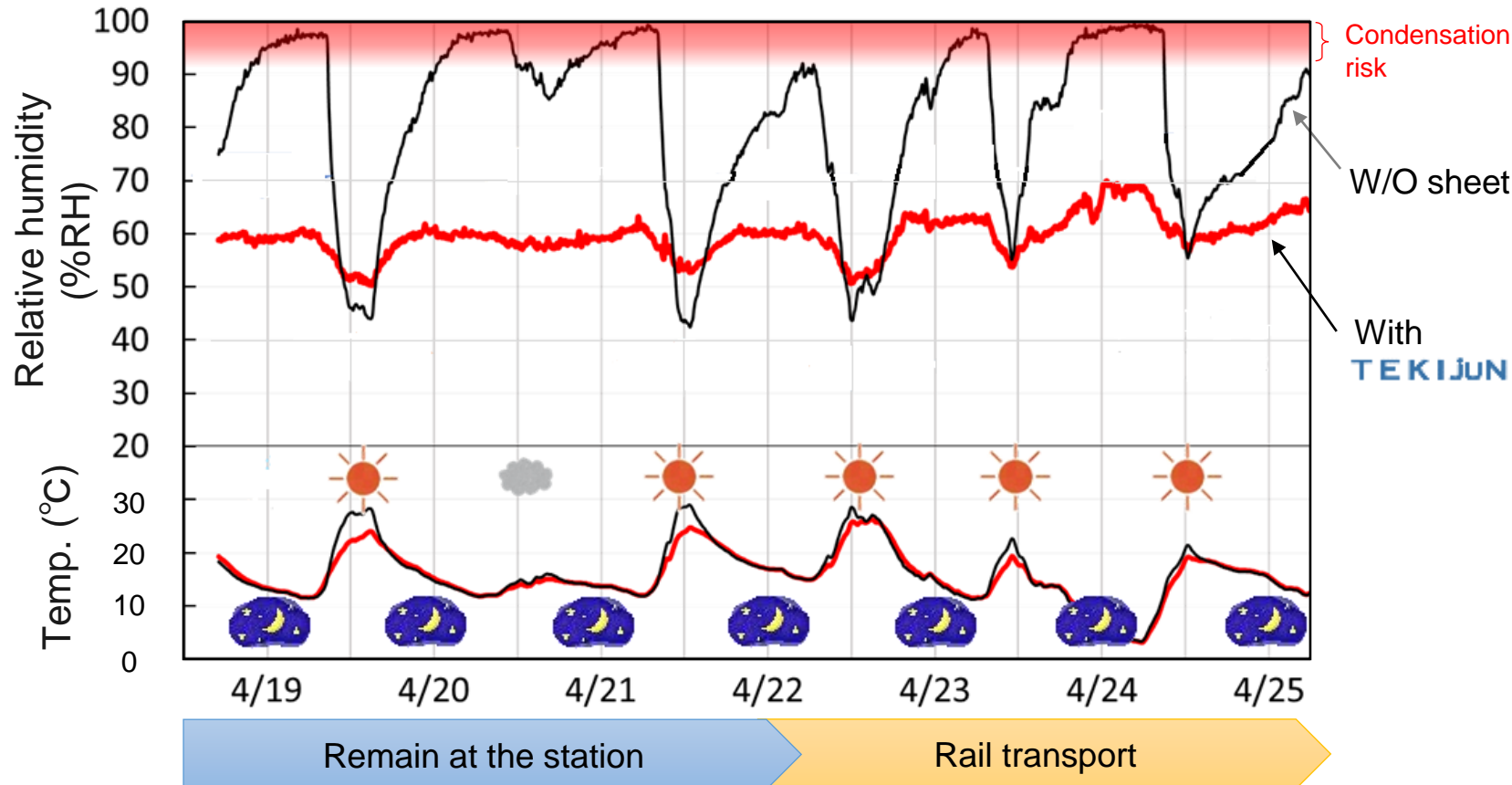
Customer Issues



Inside the container, the relative humidity increases as nighttime temperatures decrease, increasing the risk of condensation.



- ① TEKIjuN sheets reduce the risk of condensation by quickly absorbing moisture.
- ② It can be used repeatedly by releasing moisture during the day and absorbing moisture at night.



« Measurement environment »
 Demonstration data when 18m² of TEKIjuN sheets were attached to the ceiling of a 12Ft railway container (capacity 48m³) and transported by rail for one week.



TEKIjuN sheets on the ceiling



Photo inside the container

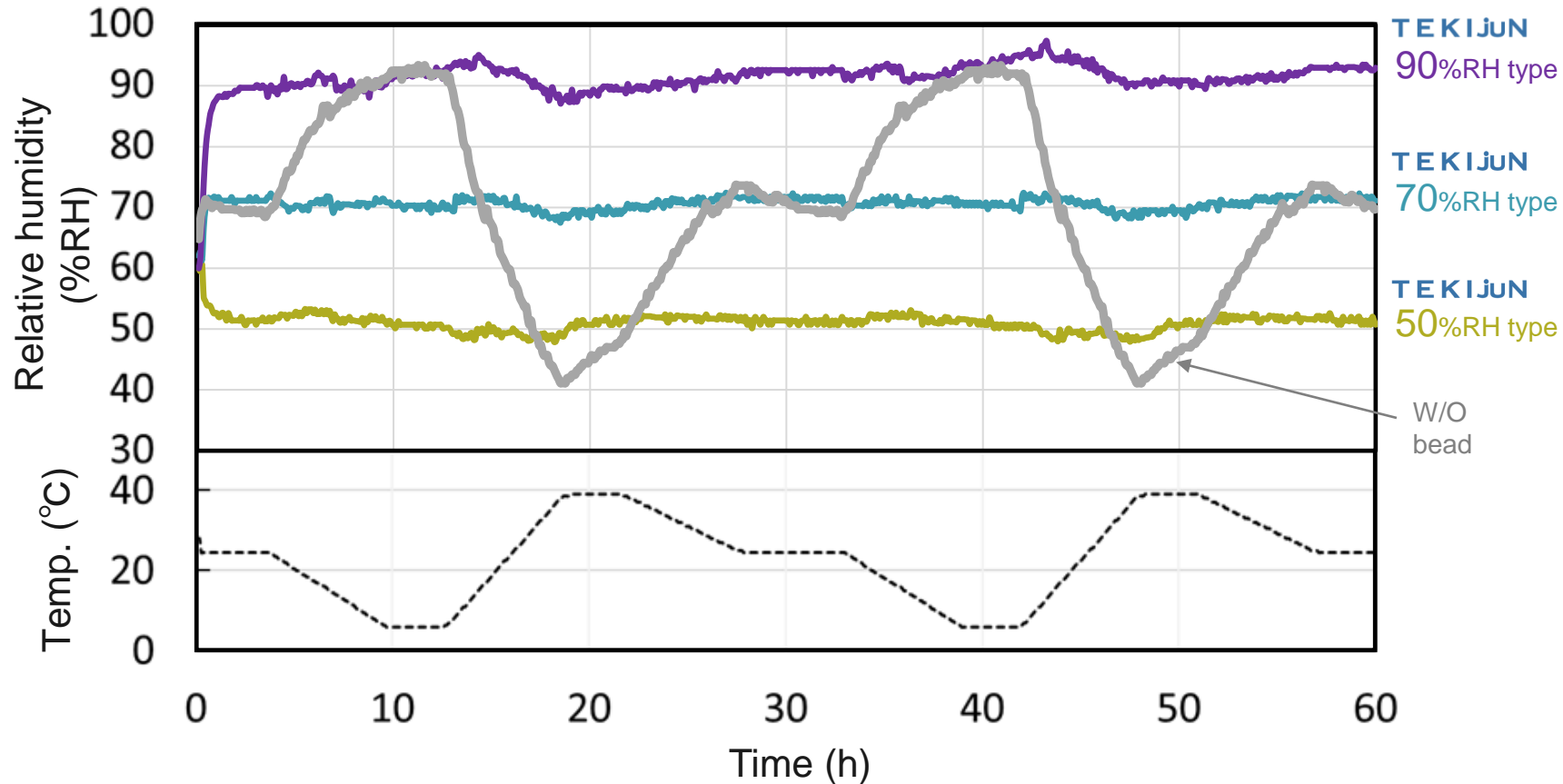
Customer Issues



Generally, as the environmental temperature changes, the relative humidity inside the container will fluctuate.



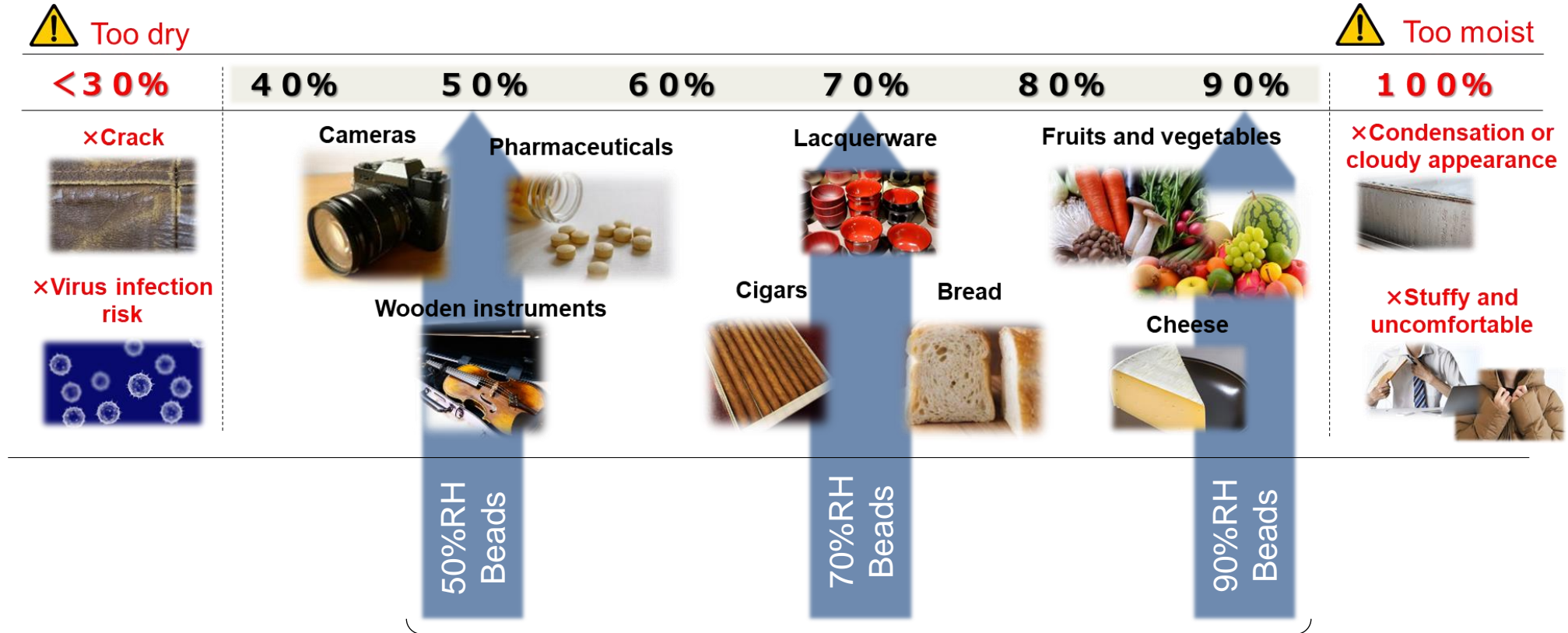
TEKIjuN beads can maintain constant humidity inside the container.



« Measurement condition »
Plot the relative humidity inside the container when performing a temperature cycle test with 11g of TEKIjuN beads placed in a 5.5L container.



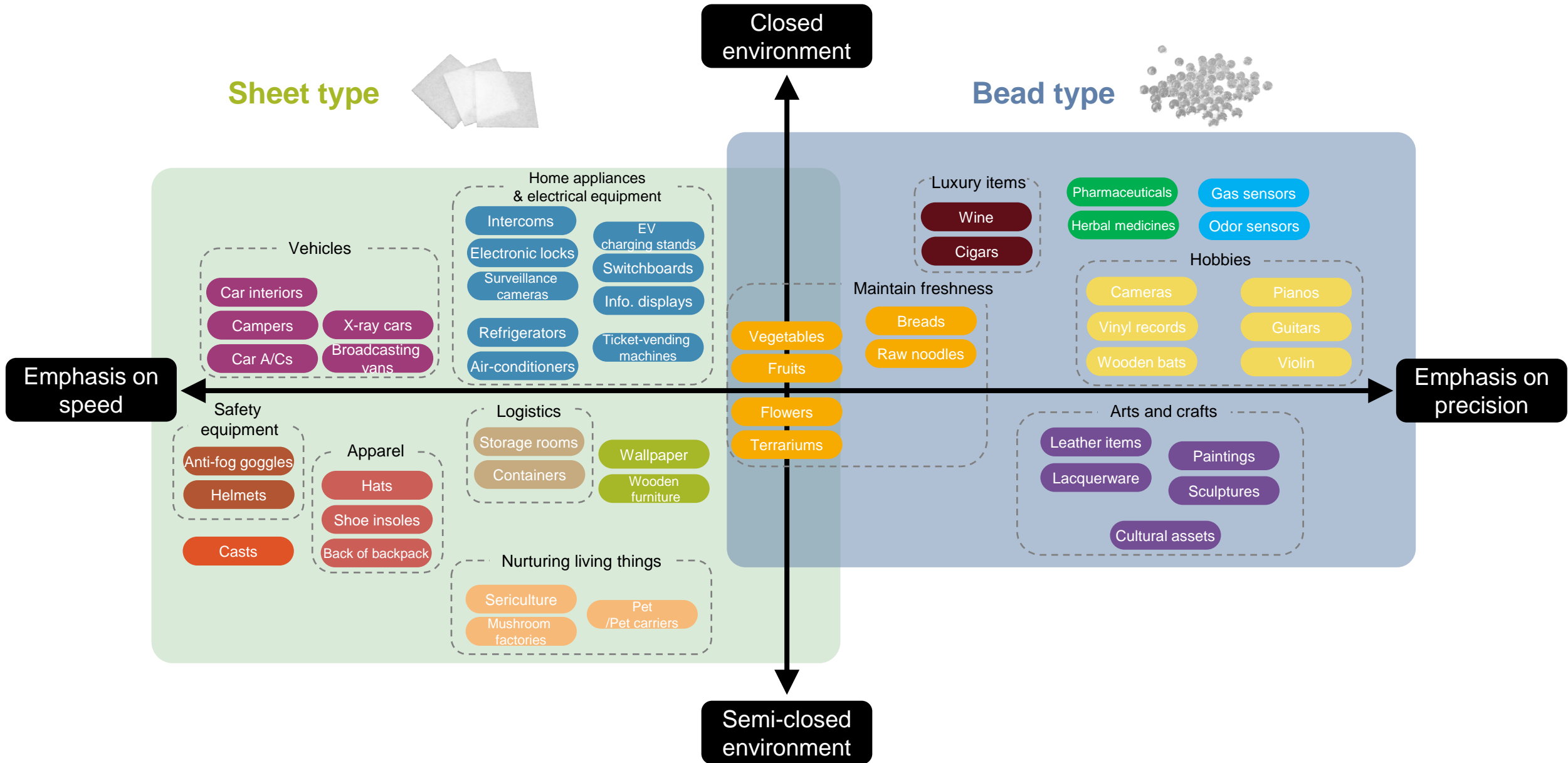
There is a comfortable humidity level for humans, as well as an optimal humidity level for objects.



Bead type is ideal for applications where you want to maintain a target humidity.

Sheets

Sheet type adjusts humidity quickly over a wide range of humidity.



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