

EVERY BREATH WE TAKE

WHY DO WE NEED MECHANICAL VENTILATION

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REHVA



YESTERDAY

Recommended vol/h

Do occupants
open the
window

?

VENTILATION



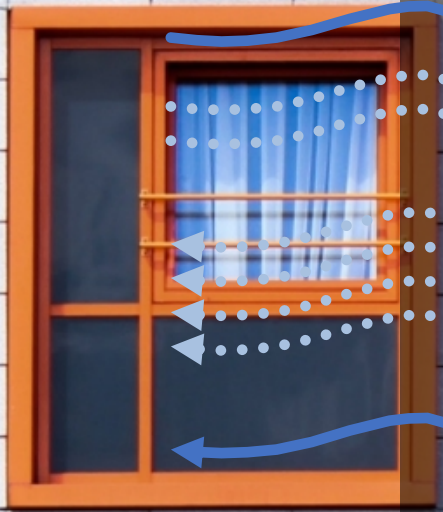
■ Infiltration □ Natural ventilation

TODAY

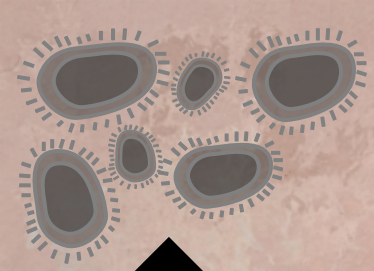
Recommended vol/h

Do occupants
open the
window
?

VENTILATION

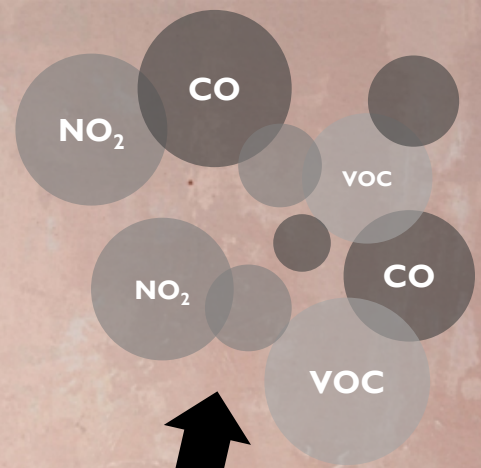


Infiltration Natural ventilation



mould

*sick
occupants*



*stagnant
air*

INDOOR EFFECTS?





UNHEALTHY





SOLUTION?





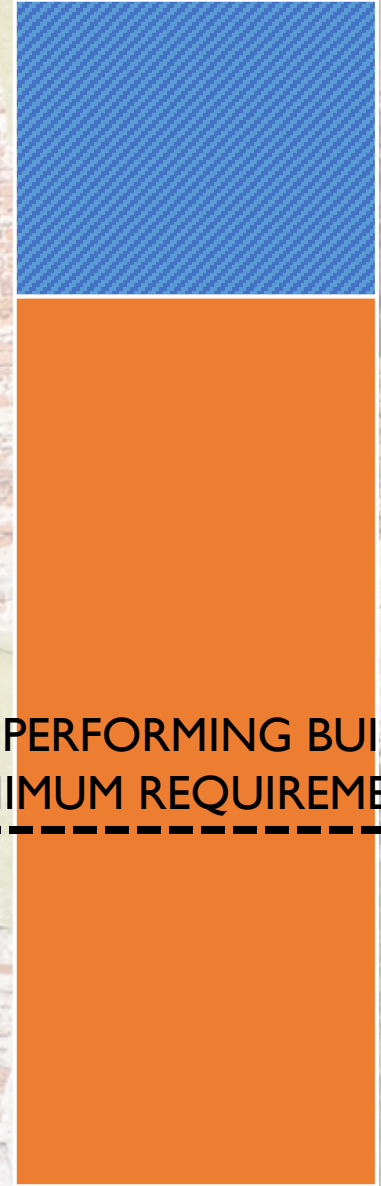
HEAT LOSSES

YESTERDAY

[kWh/m²]

HIGH PERFORMING BUILDING
MINIMUM REQUIREMENTS

■ Transmission ■ Ventilation



TODAY

HEAT LOSSES

[kWh/m²]

HIGH PERFORMING BUILDING
MINIMUM REQUIREMENTS

Transmission Ventilation



HEAT LOSSES

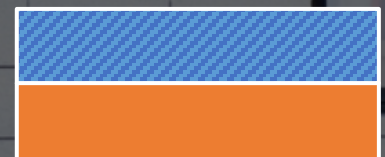
[kWh/m²]

TODAY



Mechanical ventilation with heat recovery

HIGH PERFORMING BUILDING
MINIMUM REQUIREMENTS



Transmission Ventilation

*reduced
CO₂ emissions*

*reduced
air
pollution*

OUTDOOR EFFECTS?



*reduced
climatization
energy needs*



*Greetings
from*

HEALTHY

**OUTDOOR&INDOOR
ENVIRONMENTS**

REHVA

