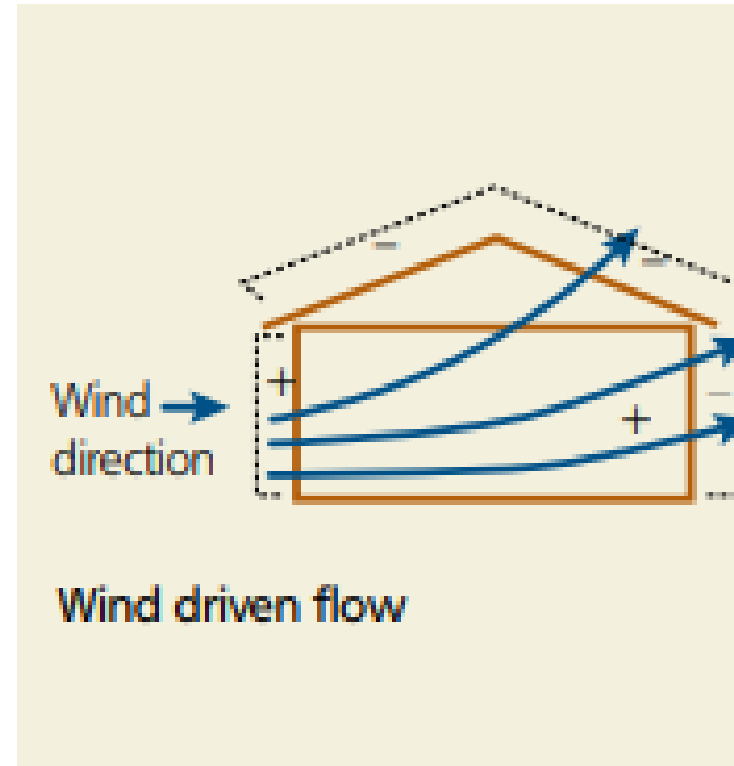


# Draughts, Insulation and Ventilation



We want to have warm homes and to consume less energy.

We still need to ensure adequate ventilation to avoid damp.



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# Draught exclusion



Pipework entry points

- Doors
- Windows
- Loft doors
- Floors

# Draught exclusion



Gaps between floorboards

- Doors
- Windows
- Loft doors
- Floors

# Underfloor insulation





# Cavity Wall Insulation

- Bonded Beads
- Expanding Foam
- Mineral Fibre



**Do not block air bricks**

# Internal Wall Insulation



- Reduces available floor area
- Requires major redecoration

# External Wall Insulation



External Insulation & Render  
Both must be vapour open

Eaves will require extending



# Loft insulation



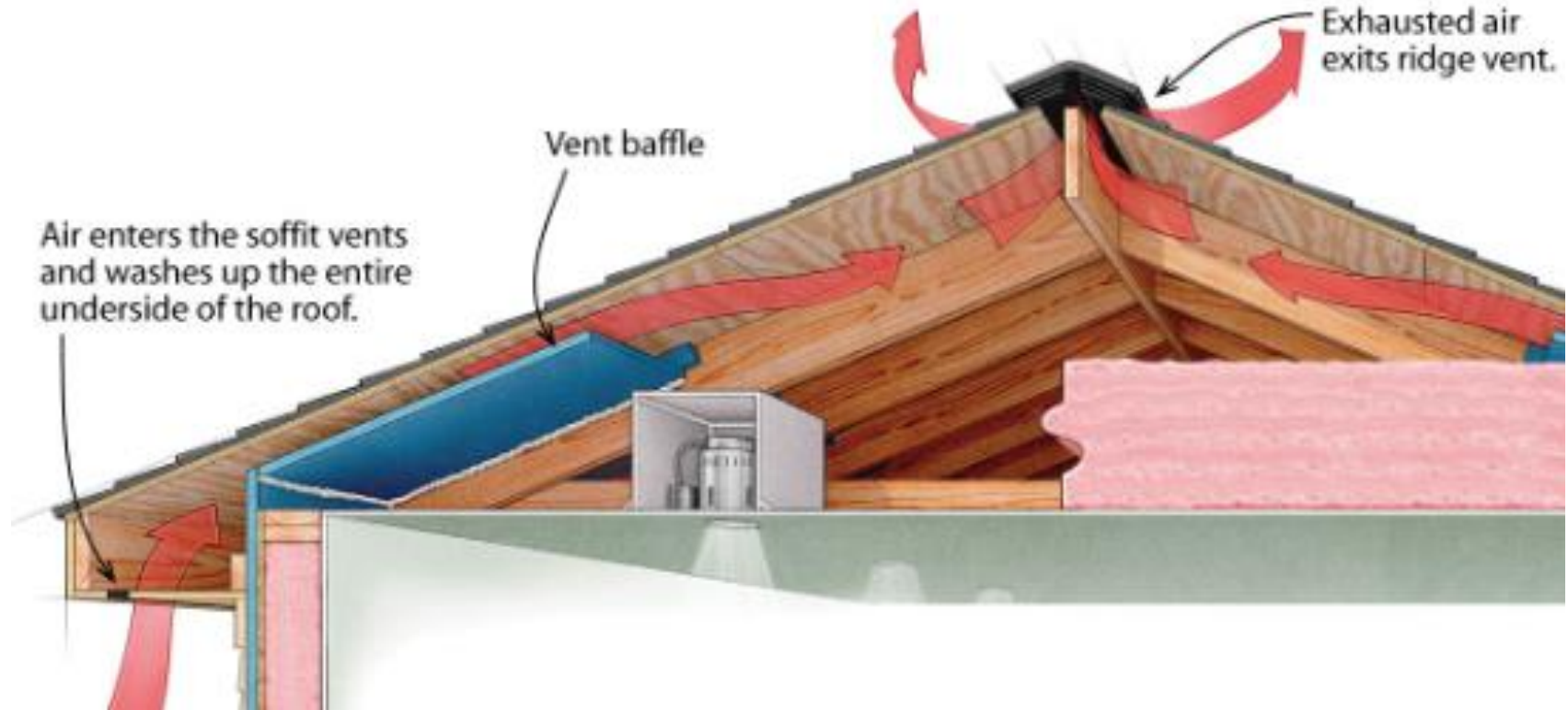
Recommended depth 270mm

# Loft insulation



Recommended depth 270mm

# Loft ventilation & condensation





# *Questions and comments*