

Checking Electrical Facilities in Vinyl Houses



- Continuous occurrence of electric leakage due to high humidity inside vinyl houses.
- ※ Always turn off the circuit breaker before unplugging the plug.



- If you smell burning plastic near a socket, make sure to check it.



- Prohibit using multi-taps that consume a large amount of electricity at once.
- ※ Overheating due to excessive power consumption can cause fires.



- Frequently inspect and replace wiring.
- ※ Properly connect wires to allow a sufficient flow of electricity.

Self-diagnosis

Residential Vinyl House Self-Safety Diagnosis Form

CHECK LIST

- Do not stack items around the vinyl house.
- Replace old sockets and plugs immediately.
- Do not store flammable materials inside the vinyl house.
- Do not use multi-taps for motors.
- Always turn off the power before unplugging the plug from the socket.
- Do not burn trash or straw in the area.
- Keep wiring devices free from dust.
- Install wires and circuit breakers according to the appropriate capacity.

<Attention>

The most significant cause of residential vinyl house fires is "carelessness." Therefore, avoid using gas stoves, heaters, or other fire-causing devices inside the vinyl house.

Please note that these action guidelines are based on general situations for each disaster type and may vary in specific circumstances.

Safety is enhanced when following these guidelines together with others.


Citizens' Action Guidelines by Disaster Type

Residential Vinyl House Fires




Accident Cases

• Goyang-si Residential Vinyl House Fire

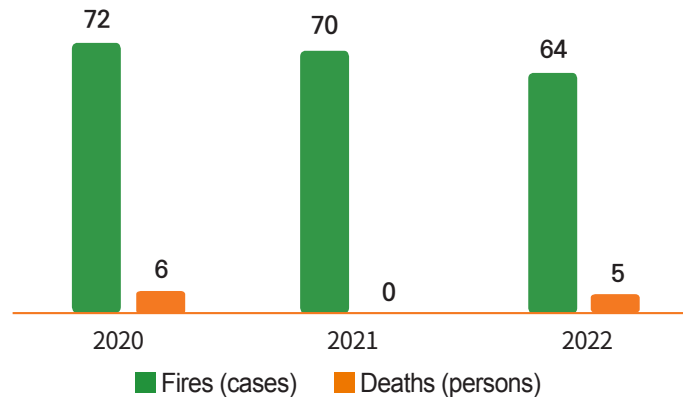
Date	December 15, '22, around 18:00	
Casualties	1 death	
Incident Overview	Fire caused by electrical issues	

• Hanam-si Residential Vinyl House Fire

Date	January 7, '23, around 17:00	
Casualties	1 death, 2 injuries	
Incident Overview	Fire caused by electrical issues	

Current Status and Major Causes

Residential Vinyl House Fire Status (Gyeonggi-do, '20-'22)



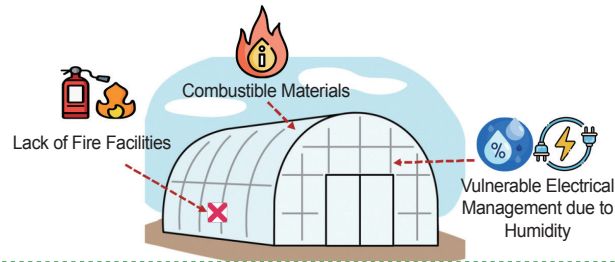
• 1 death for every 8 vinyl house fires

- 1 death for every 51 residential fires
- * Fire exposure risk: Vinyl houses > Residential fires (approximately 6 times higher)

• Major Causes of Fires

- Carelessness such as burning trash near vinyl houses, electrical issues

Risks of Residential Vinyl Houses



- No fire facilities such as fire extinguishers and fire alarms installed



- Constructed with combustible materials like wood and straw, unlike conventional fire-resistant buildings



- Susceptible to electrical issues due to humidity inside the vinyl house

Fire Prevention Rules



1. Prohibit obstructing entryways and stacking items around the vinyl house
 - Difficulties in accessing with fire trucks make quick fire suppression challenging



2. Prohibit burning trash or straw near vinyl houses
 - Sparks from burning can ignite the vinyl house in contact



3. Prohibit storing flammable liquids (petroleum products) inside the vinyl house
 - Flammable gases may accumulate inside the vinyl house, leading to fires



4. Secure exits on both sides of the vinyl house (escape doors)
 - Use both sides of the vinyl house as escape doors in case of a fire for a swift evacuation



5. Conduct regular electrical inspections
 - Refrain from using multi-tap outlets and check for wire damages regularly

Citizens' Action Guidelines



1. Evacuate immediately in case of a fire

- Use a fire extinguisher to extinguish the fire in its initial stages.



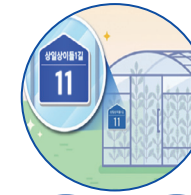
2. Prepare portable lanterns for use in dark areas

- Use lanterns for smooth evacuation in dark areas.



3. Protect your body

- Wrap your face and body with a wet blanket or towel when passing through flames.



4. Call 119

- Report the fire using the road address or unique number of a utility pole.



5. Move flammable materials

- If it's safe, move gas burners, butane gas, or other flammable materials away from the vicinity.