

ENVIRONMENTAL SAFETY & COMPLIANCE

Our product ensures safety and environmental responsibility through the following features:

- **Heavy Metal-Free:** No detectable levels of harmful heavy metals (lead, cadmium, mercury, hexavalent chromium).
- **Formaldehyde-Free:** Does not release formaldehyde (HCHO), preventing sick building syndrome.
- **Low VOC Emissions:** Minimal volatile organic compounds (TVOC, toluene), reducing odor and ozone generation.
- **Safety Standards:** Complies with KC mark standards for wallpaper and paperboard.
- **Children's Safety:** Meets safety requirements for hazardous chemicals in children's products.
- **Antibacterial and Antifungal:** Offers excellent antibacterial and antifungal properties, maintaining a comfortable environment.





Heavy Metals [Pb, Cd, Hg, CrVI]		Formaldehyde [HCHO][HCHO]		Phthalates	
standard [Pb] 5mg/kg [Cd] 0.5mg/kg [Hg] 2mg/kg [CrVI] 1mg/kg	Not detected	standard 0.12mg/m ³ h	Not detected	standard [DEHP] 0.1% or less [DBP] 0.1% or less [BBP] 0.1% or less	Not detected

Safety and Compliance for Children's Products

Our product adheres to the following safety standards:

- **Common Safety Standards:** Meets all relevant safety standards for children's products.
- **Hazardous Chemicals Elution:** Complies with stringent elution standards for hazardous chemicals, ensuring minimal risk to children's health and safety.

Common safety standards for children's products		Elution standards for hazardous chemicals	
standard [Sb] 60mg/kg [As] 25mg/kg [Ba] 1000ng/kg [Cd] 75mg/kg	satisfy	standard [Cr] 60mg/kg [Pb] 90mg/kg [Hg] 60mg/kg [Se] 500 mg/kg	satisfy

Flame retardant performance

[Fire Industry Technology Institute Certification]







Carbonization length | Carbonization area | Afterflame time | Afterflame time | Smoke density

below	below	below	below	below
20cm	30cm ²	3 seconds	5 seconds	200 Ds

 Flame retardant certification

소방산업기술원

Staining resistance

					
soy sauce	Cola	10% hydrochloride	coffee	5% ethanol	vinegar

No change