

Precautions to ensure safe usage

The precautions given below are intended to ensure safe and correct use of the products.
Note that certain restrictions apply to use of these products. Failure to observe these could result in injury or property damage.

 Warning	A potentially hazardous situation which could result in death or serious injury.
 Caution	A dangerous situation which could result in minor or medium injury and/or in which only property damage is foreseen.

 **Warning** TOYOX products have been developed and manufactured for general industrial applications.

For applications that require safety, confirm in advance.

Never use for implant or injection application or other applications where there is a possibility of the product partially remaining in the body.

ToyoX makes no guarantee of the adaptability or safeness related to such applications.

Please read the Handling Precautions carefully before use.

Note: See the terminology glosses on our website for words marked with a ※.

SUPERPAINT-E / TOYOAIR-E Hose

1. SUPERPAINT-E HOSE is intended for use with paint, coating and solvent products. Do not use it for other purposes.
2. The innermost layer of SUPERPAINT-E HOSE is made with fluorine resin which is resistant against most of chemicals and solvents.
Whether you can use the hose for a chemical or solvent, though, depends on conditions.
3. The material of the outer layer of SUPERPAINT-E HOSE has poor resistance against solvents compared to fluorine.
Do not immerse SUPERPAINT-E HOSE in a solvent or let chemicals adhere to the outer layer or end surface of the hose.
4. SUPERPAINT-E HOSE has a laminated structure, so the fluid may penetrate into the inner layer degrading and expanding the middle and outer layers under some use conditions (pressure, temperature, etc.), even though the inner layer is resistant against the fluid. Also, the inner layer may be worn, peeled, fused, etc., depending on the characteristics and conditions of the fluid. So check those conditions carefully before you use the hose.
5. TOYOAIR-E HOSE is for air only ; do not use it for other purposes.
6. Use the products within their working temperature range.
7. Use the products within their working pressure range.
8. Never use a hose at less than its minimum bend radius.
9. If you use a hose at less than its minimum bend radius, it may break or the withstanding pressure may decrease.
10. Do not use a hose that is extremely bent near a connector.
11. Please set the length so as to ensure sufficient play in the hose to avoid it being put under tension.
12. Do not store the product outdoors or in direct sunlight. Such conditions can affect exterior hose surface, particularly with respect to stickiness and cracking.
13. Keep hose away from exposed light fixtures.
14. The life of the hose can vary substantially depending on factors such as the physical properties of the fluid, the temperature and flow rate, and frequency of compression and decompression. If any of the following abnormalities a sign is found at the every-day's check up or the regular inspection, stop using the hose immediately, and repair it or replace it with a new one :
 - Problem with a hose around fitting ... Localized stretch, curvature, leakage or expansion, or less deep insertion into nipple.
 - Damage ... Large scratch, crack, or an inundated reinforcement layer. ○ Internal damage ... internal swelling, peeling, or friction damage (such as when hose reinforcing materials are exposed). (Note) If the interior damage occurs, foreign objects peeled off the hose or fragments of the reinforcing material may mix with the fluid.
 - Other damage such as hardening, swelling, expansion, abnormal electrical resistance values, etc.
15. Take care during storage to ensure that dirt and trash cannot enter the hose.
16. Do not store the hose in direct contact with other PVC products or in the vicinity of rubber products. Keep out of hot or humid places.
17. Always use the correct size nipple according to the hose. Ensure that nipples are free of surface damage and rust.
18. The hose is grounded, but connected equipment must also be grounded.
When using the ground wire, follow the grounding wire connection method and check continuity with a tester during the pre-start inspection and periodic inspections. If the ground wire is not in use, you can connect to the fitting without taking it out. However, in this case, please be sure to label it so that it is not used incorrectly, and not mistaken for a hose that uses a ground wire.
19. Do not use the hose where it requires insulation, as it may conduct electricity regardless of the use of the ground wire.
20. The ground wire should be 3 to 5 mm after taking out. In case of longer length, the middle and the outer layer might be deteriorated and swell. In case of shorter length, the grounding performance might be deteriorated as well.
21. Do not use one-push fittings or hose may burst or explode.
22. Do not incinerate the hose. Used hose should be disposed of as industrial waste. Note that incineration of the product may cause damage to incineration facilities or generate toxic gases.
23. The hose should be disposed of in accordance with the requirements of the local region.