

FAQ for:
uni PAINT MARKER



Table of contents:

1. Applicable surface (Material)
2. Applicable surface (State of surface), Other specs
3. SDS, RoHS, Chemical substances
4. Temperature condition
5. Other questions
6. uni Paint Marker range

1. Applicable surface (Material)

Material	Artificial leather	Depends on material	Not Recommended on PVC leather because solvent of paint marker may melt plasticizer contained in PVC. Plasticizer may prevent ink to dry, or it may make ink to be transferred to other material in a long term.
	Brick	Excellent	
	Canvas	Excellent	
	Ceramic	Excellent	
	Cloth	Excellent	
	Concrete	Excellent	
	Corrugated cardboard	Excellent	
	Film (Plastic)	Excellent	
	Glass/mirrors	Excellent	
	Leather	Excellent	
	Metals	Excellent	
	Paper	Good	Ink may bleed through the paper
	Plastics	Excellent	Not recommended on PVC and Styrofoam
	Rubber	Excellent	
	Stone	Excellent	
	Styrofoam	Not Recommended	Solvent of paint marker may melt Styrofoam.
	Tile	Excellent	
	Vinyl	Depends on material	Not Recommended on PVC because solvent of paint marker may melt plasticizer contained in PVC. Plasticizer may prevent ink to dry, or it may make ink to be transferred to other material in a long term.
Wood	Excellent		

This information is based on our present knowledge.

Since surface may be affected by Paint Marker's ink, we strongly suggest to run a test on the test material.

2. Applicable surface (State of surface), Other specs

State of Surface	Chemically treated Surfaces	Good	Result varies by individual case, so we strongly suggest to run a test before use.
	Painted Surfaces	Good	
	Wet Surfaces	Good	
	Frozen Surfaces	Good	
	Oily Surfaces	Good	
	Rusty Surfaces	Good	
	Rough/Gritty Surfaces	Good	Works but nib might be damaged depending on surface condition.

Other Specs	UV/Fade Resistant		PX-30=Excellent PX-20/21=Not Recommended
	Dry Time		Dries in 15-30 seconds on most surface
	Application Temperature		Please refer to section 4. Temperature
	Operating Temperature		Between -10 degrees to 40 degrees Celsius When temperature exceeds 40 degrees Celsius, the internal pressure would increase and could cause ink leakage.
	Type of solvent		PX-20,21,30,201: Xylene base PXA-200,210,300: Alcohol base, xylene free
	Rain/Water Resistant	Excellent	Excellent once ink dries
	Halogen		Halogen free – including chlorine/chloride

This information is based on our present knowledge.
Since surface may be affected by Paint Marker's ink, we strongly suggest to run a test on the test material.

3. SDS, Rohs, Chemical substances

Q1. Is SDS for uni Paint Marker available?

A Yes, SDS for uni Paint marker is available.

Q2. Does uni Paint Marker meet requirements by RoHS?

A Though Paint Markers are not subject to RoHS and therefore we are unable to certify our markers are RoHS compliant, we can safely state that none of the following 10 chemical substances regulated by RoHS is intentionally used in the inks of Paint Markers by design.

- Cadmium and its compounds
- Mercury and its compounds
- Hexavalent chromium compound
- Lead and its compounds
- Polybrominated biphenyls (PBBs)
- Polybrominated diphenyl ethers (PBDEs)
- Bis (2-ethylhexyl) phthalate (DEHP)
- Diisobutyl phthalate (DIBP)
- Dibutyl phthalate (DBP)
- Butyl benzyl phthalate (BBP)

Q3. Is uni Paint Marker lead free?

A Yes, uni Paint Marker is lead free.

Q4. Is uni Paint Marker low-chloride?

A We do not use any chlorine and / or its compounds by design for the ink formula. However, because we do not control accidental contamination of the above substances, on rare occasions, very minute amount of the above substances could be detected from the ink of our Paint Markers.

4. Temperature condition

Q1. How strong the inks marked by Paint Marker against heating?

- A** It differs by the ink colour and product type. The following tables shows the maximum durable temperature by the ink colours and products without changing in the ink colour after 60 minutes of heating.

PX-20, 21 and 30

	PX-20	PX-21	PX-30
Up to 200°C	Black, Silver	Black, Silver	Black, Silver
Up to 180°C	Grey	Grey	Red, Blue, Yellow
Up to 150°C	Other colours	Other colours	Other colours
Up to 130°C	Gold	Gold	Gold

Q2. What is operating temperature range of uni Paint Marker?

- A** Between -10 degrees to 40 degrees Celsius.
When temperature exceeds 40 degrees Celsius, the internal pressure would increase and could cause ink leakage.

Q3. What is the highest temperature of surface on which uni Paint Marker can write?

- A** Temperature below 140 degrees Celsius is recommended. When temperature exceeds 150 degrees Celsius, solvent of the ink rapidly volatilize. Therefore measures to avoid physical harm of the worker (e.g. Protective suits, masks, goggles, and gloves) must be implemented in that case.

5. Other Questions

Q1. How long is the shelf life of the uni Paint Marker?

A Exceeds 2 years

Q2. The ink does not come out from the pen nib.

A Customer may not be familiar with how to prepare Paint Marker before use.

How to prime:

1. Shake the marker approx. 20 times with cap on.
2. Press the tip several times on a spare piece of paper until the tip is filled by ink.

Q3. The mark comes off easily.

A It may depend on the type of surface, but there could be two possible causes. One could be due to insufficient stir of ink before marking. Shake the marker well so that an ball inside the barrel to blend the ink. This should enhance the performance of the ink. Another could be due to half-dry of the mark. Please allow enough time for drying and fixing the ink firmly on the surface.

Q4. How to remove the ink of uni Paint Marker?

A In the case of material is smooth surface like glass, metal, or plastic, it can be removed by using an alcohol solvent.

6. Line up of uni industrial products

PAINT MARKER

- Xylene base, Quick dry
- Waterproof, weatherproof
- Wear-resistant
- 4 nib sizes are available
- Writes on almost all surfaces
- For use on glass, metal, plastic, stone, wood and other surfaces.



● ● ● ● ● PX-30



● ● ● ● ● ● ● ● PX-20
● ● ● SHINY



● ● ● ● ● ● ● ● PX-21



● ● ● PX-203

FAQ for:
uni PAINT MARKER