

How to use

markers with a valve system

The even and precise ink flow of these markers is enabled by a valve system. A marker with a valve system is an intricate technical product. The following points should allow for a better understanding of the system and enable flawless performance.

Why a valve system?

- ▶ Valve systems are used for lacquer-like, thick flowing India ink on water or solvent basis with high pigmentation.
- ▶ The shaft serves as an ink reservoir. Balls in the reservoir mix the color pigments when shaken. The ink flow is activated by pumping the tip (opening of the valve).

What needs to be done before the first use?

- ▶ Firmly shake the pen with the cap closed for at least 1 minute. Only then will the pigments be evenly mixed with the binder.
- ▶ Through careful repeated pressing of the tip onto paper, a valve in the shaft between the ink reservoir and writing tip is opened. When this is open, the ink flows out of the shaft into the tip, saturating it.
- ▶ With a saturated tip, the marker is ready for use. Now write on an absorbent base.

When do the pens need to be re-pumped?

- ▶ When the flow of ink begins to decrease, pump more ink into the tip. Shake the pen with the cap closed before (especially with glitter or metallic pens).

Caution: if pumped too frequently, the tip will no longer be able to absorb the ink, which will lead to leaking.

How should the markers be stored?

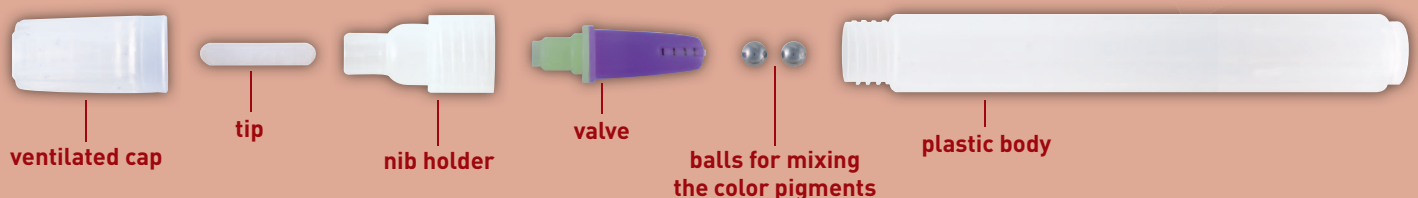
- ▶ Close the cap (you should hear a click) immediately after use and store laying down horizontally. If left unsealed, the ink will dry into the marker tip, which will clog the tip's ink passage.

Can the marker tip be cleaned?

- ▶ Should the tip of water-based markers (all markers except the Lacquer Pen) becomes dirty, it can be rinsed off and cleaned with clear water. Allow the tip to air dry before storage or further use.
- ▶ If the ink has been allowed to dry in the tip, e.g. after long unsealed storage, then cleaning of the tip is no longer possible. Due to this, it is important that the marker is sealed after use.



CONSTRUCTION



CHARACTERISTICS:

	ARTMARKER	ART Pen	CD-MARKER	DECOpen	Window Marker	GEL roller	GLASS MARKER	GLASS COLOR PEN	GLASS + Porcelain PEN glitter	Lacquer Pen Paint Marker	OHP-Marker permanent	OHP-Marker non-permanent	Permanent Marker	PorcelainPEN	PORCELAIN PAINTER	TATTOO PAINTER	texi and texi max SUNNY	texi max OPAK and texi max GLITTER
water-based	✍	✍		✍	✍	✍	✍	✍	✍			✍		✍	✍	✍	✍	✍
easy to wipe-off					✍		✍					✍						
low-odour	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍
lasts up to 5 days depending on type of skin																✍		
cosmetic-conform according to EC directives																✍		
light-resistant	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍	✍		✍	✍	✍		✍	✍
solvent-free	✍	✍		✍	✍	✍	✍	✍	✍			✍		✍	✍	✍	✍	✍
refillable													✍					
ink will not bleed through paper		✍		✍		✍												
quick-drying	✍	✍	✍	✍	✍	✍	✍			✍	✍	✍	✍			✍	✍	✍
dishwasher safe								✍	✍					✍	✍			
ink flow due to valve system				✍	✍		✍	✍	✍	✍				✍				✍
permanent covering				✍						✍				✍				✍
washable up to 40°C																		✍
washable up to 60°C	✍																✍	
waterproof	✍		✍	✍						✍	✍		✍			✍	✍	✍
water- and smudge-proof after curing								✍	✍					✍	✍			
weather-proof			✍	✍				✍	✍	✍			✍	✍	✍			
smudge-proof			✍	✍						✍	✍		✍					

FOR CREATING ON:

Acrylic				✍	✍		✍	✍	✍	✍			✍	✍	✍			
Batiste	✍																✍	✍
Cotton	✍																✍	✍
Cotton-Mix	✍																✍	✍
CD / DVD			✍															
Tiles				✍	✍		✍	✍	✍	✍			✍	✍	✍			
Foil				✍	✍		✍	✍	✍	✍	✍	✍	✍	✍				
Glass				✍	✍		✍	✍	✍	✍			✍	✍	✍			
Glazed Ceramic								✍	✍					✍	✍			
Rubber				✍						✍			✍					
Skin																✍		
Wood		✍		✍		✍				✍			✍					
Carton		✍		✍		✍				✍			✍					
Canvas	✍	✍		✍		✍				✍			✍				✍	✍
Ceramic				✍						✍			✍					
Plastic				✍						✍			✍					
Leather				✍		✍				✍			✍					
Linen	✍																✍	✍
Metal				✍	✍		✍	✍	✍	✍			✍	✍	✍			
Metal Foil				✍	✍		✍	✍	✍	✍			✍	✍	✍			
Paper		✍		✍		✍				✍			✍					
Porcelain								✍	✍					✍	✍			
Silk	✍																✍	✍
Mirror				✍	✍		✍	✍	✍	✍			✍	✍	✍			
Stone				✍						✍			✍					
Styrofoam				✍		✍				✍			✍					
Terracotta				✍						✍			✍					

