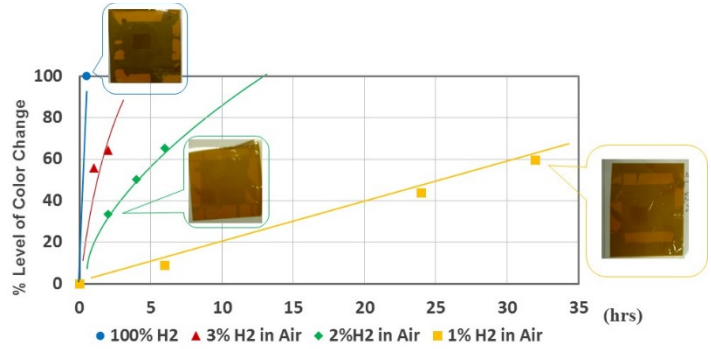






## Color-Change Speed vs. H<sub>2</sub> Concentration

- Color-change was observed with 1%, 2%, 3% H<sub>2</sub> in air and 100% H<sub>2</sub> at room temperature and 100mL/min flow rate.
- With 100% H<sub>2</sub>, full color-change at less than 5 minutes.
- With 1% H<sub>2</sub> in air, color-change can be observed in about 30hrs.



## Environmental Durability

Condition	Duration	Color-Change after Aging	After Aging, H <sub>2</sub> Exposure
<b>High Temp.</b>	60°C x 6 months	No Color-Change	Reacted, Black
<b>Low Temp.</b>	- 5°C x 6 months	No Color-Change	Reacted, Black
<b>High Humidity</b>	40°C x 95% RH x 6 months	No Color-Change	Reacted, Black
<b>Weather Resistance</b>	Outdoor exposure 6 months under Florida sunshine	No Color-Change	Reacted, Black
<b>Water Immersion</b>	Tape only (Room Temp.) x 6 months	No Color-Change	Reacted, Black
	Tape on stainless steel (Room Temp.) x 6 months	No Color-Change	Reacted, Black
	Tape on Aluminum or Galvanized Metal	Color-Change to Black	N/A

\* Tapes applied on SUS316 pipe were aged at various conditions and confirmed for color-change with H<sub>2</sub> at room temperature.

- Once applied, DX-2106H can be exposed and function within temperatures ranging from -40°C to 100°C (- 40°F to 212°F) with short-term exposure to temperatures of up to 200°C (392°F).

## GENERAL STORAGE CONDITIONS

Store in 50-80°F (10-27°C), 25-50% relative humidity; out of direct sunlight.

## PRECAUTION REMINDER

Surface should be clean, free of oil, moisture and dirt before applying. Pressure-sensitive adhesive tapes may require pressure by roller, hand or press when applying. Not doing so may affect the general properties and appearance. Please inspect your surface prior to application; this tape may not adhere well to extremely uneven or distorted surfaces. Please remember to allow adequate time for full adhesive strength.

## WARNINGS

This product is intended for use as a localized hydrogen gas indicator and should be used as part of a comprehensive gas detection system. DX-2106H will not prevent H<sub>2</sub> leaks. Customers should not rely solely on this product to monitor the safety of a facility where flammable or hazardous gases are present.

Please do not use this tape for detecting other reducing gases, like silane. Such gases have not been tested and may react with the tape aggressively.

## WARRANTY INFORMATION

Unless Nitto agrees otherwise in a written agreement signed by Nitto, the warranty information and other terms of sale can be found in the Nitto Terms and Conditions of Sale in the legal section of [www.NittoDetectionTape.com](http://www.NittoDetectionTape.com) and are hereby incorporated by reference.

Please visit [www.NittoDetectionTape.com](http://www.NittoDetectionTape.com) for notices in other languages.