

# TECHNISPRAY PAINTS LTD.

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## TECHNICAL DATA SHEET

### HYPAKOLOR

#### PRODUCT DESCRIPTION

Hypakolor has been specially developed for surfaces containing rubber or similar flexible materials. The coating bonds with the surface, and appears to improve the integrity of the surface. Applied correctly, the product will not crack, chip, peel, or flake off.

#### CHARACTERISTICS

Gloss @ 60 degrees	50 +/- 5 %
Specific Gravity	0.98 +/- 0.12 @ 20°C
Weight Solids (%)	11.4 (Clear) to 20.4 (depending upon the colour)
Volume Solids (%)	11.2 (Clear) to 20.0 (depending upon the colour)
Packaged Viscosity	11.0 – 17.0 seconds @ 20° C Ford Cup No. 4
Shelf Life	One Year
Flash Point	- 3°C (Measured with Seta Closed Cup)
Volatile Organic Content (VOC)	869 +/- 106 grams per litre

#### FILM THICKNESS

Dry Film Thickness	20 - 30 microns
Wet Film Thickness	175 - 263 microns (Clear) to 98 - 147 microns (Colour)

## CURE PROCESS

<b>Dry to Touch</b>	<b>3 - 5 minutes @ 10 microns (dry film thickness)</b>
<b>Flash Time (Between Coats)</b>	<b>10 - 15 minutes @ room temperature (16° C)</b>
<b>Oven Cure</b>	<b>50 minutes @ 50°C</b>
<b>Post Cure</b>	<b>24 hours @ room temperature (16°C)</b>

## APPLICATION EQUIPMENT

<b>Equipment</b>	<b>HVLP Cup Gun</b>
<b>Manufacturer Model (gun)</b>	<b>DeVilbiss JGHV 522-1</b>
<b>Fluid Tip</b>	<b>FY 1.0 mm.</b>
<b>Air Cap</b>	<b>No. 30</b>
<b>Atomising Pressure</b>	<b>20 - 30 psi</b>

The gun tip/needle/air cap combinations can be varied to suit the volume throughput required. Feed of product is generally from pressure pots and pumps. Spray techniques vary, and the fluid flow can be adjusted considerably to obtain the best results. There are numerous variables, namely air pressure, air volume, and pot pressure. Altering any of these will affect the others, thus requiring further adjustments. A number of other spray gun suppliers are able to provide suitable alternatives. Each supplier should be evaluated in full before procuring to verify actual application results.

## CLEANING OF EQUIPMENT

Clean spray equipment regularly with any proprietary gun cleaning solvent. Spray guns and pots must be cleaned as required between colours using any proprietary cleaning apparatus.

## REDUCTION

No reduction necessary.

## **STORAGE CONDITIONS**

Containers must not be exposed to direct sunlight or temperatures above 50° C. Store away from oxidizing agents. Avoid exposure to sources of heat or ignition. Static electricity may result in build-up which may cause a flash fire or an explosion. Keep containers tightly closed.

## **FIRST AID PRECAUTIONS**

For inhalation, move the exposed person to fresh air at once. Get medical attention immediately.

For breathing difficulties, oxygen may be necessary. If rapid recovery does not follow, apply artificial respiration as necessary.

For ingestion, do not induce vomiting. Obtain medical attention immediately.

For skin contact, wash the skin immediately with soap and water. Use a moisturiser. Get medical attention if any discomfort continues.

For eye contact, flush with plenty of water for several minutes. Continue to rinse for at least 15 minutes. If irritation persists, refer for medical attention.