



# PIGMENT RED 170

**DCC 7170**

Direct replacement to F3RK-70

Versatile in a wide range of demanding applications



**Dominion Colour Corporation**  
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**ISO 9001**  
**ISO 14001**

[www.dominioncolour.com](http://www.dominioncolour.com) (416) 791-4200

# Pigment Red 170 - DCC 7170

## Chemical Class

Monoazo  
C.A.S.# 2786-76-7

## Product Overview

DCC 7170 is the high performance version of Pigment Red 170 chemistry, offering a yellow shade red for use in demanding coating, plastic and ink applications. It has improved hiding and lightfastness relative to standard Pigment Red 170. DCC 7170 is the only drop-in match versus F3RK-70 in the opaque, yellow shade PR-170 segment.

## Key Attributes

Excellent opacity  
Superior weatherfastness  
Direct match versus F3RK-70  
Excellent heat resistance in coating applications

## This product is supported by

DCC's global distribution network  
DCC's technical service and support  
DCC's commitment to quality products

## Product Characteristics:

### Physical Properties:

Specific gravity: 1.36 g/cc  
Oil absorption: 46.0  
Moisture: <2.0 %  
Warpage: Some

### Resistance Properties

Acid resistance: Excellent  
Alkali resistance: Excellent  
Soap resistance: Very Good  
Organic solvent: Very Good

### Weatherfastness:

Full shade: Very Good  
Tint (1:10): Poor  
Heat Resistance: +280°C (536°F)

## Performance Characteristics: Colour Comparison...

Product	Coating System		Plastic System (L.D.P.E.)		Plastic System (P.V.C.)	
	Masstone	Tint	Masstone	Tint	Masstone	Tint
DCC 7170	Control	Control	Control	Control	Control	Control
FR3K-70	Equal gloss & transparency $\Delta E^* 0.29$	Equal shade & strength $\Delta E^* 0.63$	Equal shade & opacity $\Delta E^* 0.69$	Equal shade & strength $\Delta E^* 1.10$	Equal shade & opacity $\Delta E^* 0.46$	Equal shade & strength $\Delta E^* 1.13$

The information in this brochure is based on extensive testing and application experience and is believed to be a reliable indication of the results that may be expected. However, the data does not constitute a specification for the products, and is offered only as a guide to performance without guarantee or warranty of any kind. Because of the difficulties of modern colour reproduction, the shades may vary slightly from the final colour application. Since many variables have a strong influence on pigment performance, the users are encouraged to test each product in their own laboratory prior to use.



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