

Table 1

DANIEL SMITH	PIGMENT	DA VINCI	SCHMINCKE	REMBRANDT	AQUARIUS	WINSOR & NEWTON
BUFF TITANIUM	PW6:1	-	-	-	Buff Titanium PW6:1	-
HANSA YELLOW MEDIUM	PY97	Arylide Yellow PY97	Pure Yellow PY154	Azo Yellow Light PY154	Hansa Yellow Medium PY74	Winsor Yellow PY154
QUINACRIDONE GOLD	PY150 + PO48 (or original P049)	Quinacridone Gold (PY150 + PR206 much more orange so will mix differently)	Quinacridone Gold Hue PY150 + PR101	Indian yellow? PY150 + PO48 (I haven't tested this colour but the pigments look possible)	Quinacridone Gold PY150 + PO48	(Quinacridone Gold PY150 + PR206 + PV19 much more dull and will mix differently)
PYRROL SCARLET	PR255	Permanent Red PR188 (different pigment but similar mixes)	Vermilion PR255	Permanent Red Medium PR255	Pyrrrol Scarlet PR255	Scarlet Lake PR188 (the closest warm red but will mix differently)
PYRROL CRIMSON	PR264	Alizarin Crimson Quinacridone PV19 (different pigment and not as strong in mixes)	Ruby Red Deep PR264	Carmine PR264	Pyrrrol Rubine PR264	Winsor Red Deep PR264
QUINACRIDONE ROSE	PV19	Permanent Rose PV19 (or Rose Red Deep Quinacridone PV19)	Ruby Red PV19	Quinacridone Rose or Quinacridone Reddish PV19	Quinacridone Red PV19	Permanent Rose PV19
ULTRAMARINE	PB29	Ultramarine PB29	French Ultramarine PB29	Ultramarine PB29	French Ultramarine PB29	Ultramarine or French Ultramarine PB29
CERULEAN CHROMIUM	PB36	Cerulean Genuine PB36	Cobalt Cerulean PB36	Cerulean Blue #595 PB36	Cobalt Cerulean Blue PB36	Cerulean Blue PB35 (a different pigments - will mix differently)
PHTHALO BLUE (GREEN SHADE)	PB15:3	Phthalo Blue PB15:3	Helio Cerulean PB15:3	Phthalo Blue Green PB15	Phthalo Blue Green Shade PB15	Winsor Blue Green Shade PB15
PHTHALO GREEN (BLUE SHADE)	PG7	Phthalo Green PG7	Phthalo Green PG7	Phthalo Green PG7	Phthalo Green Blue Shade PG7	Winsor Green Blue Shade PG7
GOETHITE	PY43	Yellow Ochre PY43 (a lovely earth yellow but without the granulation of Goethite)	Yellow Ochre PY42 (a lovely earth yellow but without the granulation of Goethite)	Gold Ochre PY43 or Transparent Oxide Yellow PY42 (lovely yellow earth yellows without as much granulation as Goethite)	Yellow Ochre PY43 (a lovely earth yellow but without the granulation of Goethite)	Yellow Ochre PY43 (a lovely earth yellow but without the granulation of Goethite)
BURNT SIENNA	PBr7	Burnt Sienna PBr7	Maroon Brown PBr7	Burnt Sienna PBr7	Italian Burnt Sienna PBr7	Burnt Sienna PR101 (different pigment - will mix differently)
INDIAN RED	PR101	Indian red PR101	Indian red PR101 + PR206 (a good colour match but two pigments)	-	Caput Mortuum PR102	Indian Red PR101
RAW UMBER	PBr7	Raw Umber PBr7	(Green Umber PBr7 the colour is fine but it is not as strong as VD or DS)	(The Rembrandt Raw Umber is completely different colour)	Cyprus Raw Umber Deep PBr7	(The W&N Raw Umber is completely different colour)
JANE'S GREY	PB29 + PBR7	-	Neutral Grey PB255 + PB60 + PO62 (made without black pigments, but more staining)	-	-	-

DANIEL SMITH	PIGMENT	DA VINCI	SCHMINCKE	REMBRANDT	AQUARIUS	WINSOR & NEWTON
KEY	CAPITALS	The Daniel Smith colours I'll be using				
	Bold	Same pigment and will mix the same				
	Bold	Different pigment but will create the same mixes				
	Normal	Workable, but will mix differently.				
	-	No suitable options				
	(...)	Colour available but not a great choice				

DANIEL SMITH	SENNELIER	OTHER ALTERNATIVES
BUFF TITANIUM	-	-
HANSA YELLOW MEDIUM	<i>Primary Yellow PY74, Yellow Sophie PY93</i>	<i>Quinaphthalone Yellow PY138 DS, Azo Yellow PY151 DS</i> , Hansa Yellow Light PY3 ANY BRAND but will mix differently.
QUINACRIDONE GOLD	The three pigment Quinacridone Gold hue is very dull and will mix differently)	Hansa Yellow Deep PY65 or other warm yellow, though will mix differently.
PYRROL SCARLET	Rose Dore Madder Lake PR255	Any PR255 scarlet red.
PYRROL CRIMSON	-	<i>Permanent Alizarin Crimson PR177 + PV19 + PR149 DS</i> or <i>Anthraquinoid Red PR177</i>
QUINACRIDONE ROSE	Rose Madder Lake PV19	<i>Quinacridone Red PV19 DS</i>
ULTRAMARINE	Ultramarine Deep PB29 or Ultramarine Light PB29	Any Ultramarine PB29
CERULEAN CHROMIUM	-	PB36 blues (not turquoise)
PHTHALO BLUE (GREEN SHADE)	Phthalo Blue PB15	PB15:3 single pigment blues
PHTHALO GREEN (BLUE SHADE)	- (all are mixed pigment greens)	PG7 single pigment greens
GOETHITE	-	Yellow Ochre PY43 most brands (a lovely earth yellow but without the granulation of Goethite)
BURNT SIENNA	Burnt Sienna PBr7	<i>Italian Burnt Sienna PBr7 DS</i>
INDIAN RED	Caput Mortuum PR101	Other Indian red PR101 watercolours
RAW UMBER	(The Sennelier Raw Umber is completely different colour)	
JANE'S GREY	-	Sodalite Genuine DS

DANIEL SMITH	SENNELIER	OTHER ALTERNATIVES
KEY		