



Art Spectrum® Watercolour Pigments

In accordance with proven traditional methods of production, all Art Spectrum® Artists' Watercolours are carefully stone milled to enhance the individual brilliance of each selected permanent pigment and to maximise its handling qualities. Successful watercolours depend on selecting the best quality paper, the permanence and brilliance of the pigments and the use of a wide variety of quality brushes. Available in 10ml tubes. Series 1-4.

Watercolour Colours	Series	Pigments	Lightfastness	Permanence	Transparent/Opaque	Granulating/Staining Colour
Chinese White	S1	PW4	ASTM 1	****	Opaque	
Lemon Yellow	S1	PY3	ASTM 11	***	Semi Transparent	
Cadmium Yellow Pale	S4	PY35	ASTM 1	****	Opaque	Staining
Spectrum Yellow	S1	PY97, PY83	BWS 7	***	Semi Transparent	Staining
Cadmium Yellow	S4	PY37	ASTM 1	****	Opaque	Staining
Cadmium Yellow Deep	S4	P020	ASTM 1	****	Opaque	Staining
Aureolin	S4	PY40	ASTM 11	***	Transparent	Staining
Permanent Gamboge	S3	PY97, PY83	ASTM 1	****	Transparent	
Permanent Indian Yellow	S3	PY83	BWS 7-8	***	Transparent	
Cadmium Orange	S4	PY37,P020	ASTM 1	****	Opaque	
Permanent Orange	S3	P062	ASTM 11	***	Semi Transparent	
Coral	S3	PR170, P036	BWS 7-8	***	Semi Transparent	
Vermilion Permanent	S3	P036	ASTM1	****	Semi Transparent	Staining
Spectrum Red	S1	PR112, P05	BWS 6-7	***	Opaque	
Cadmium Red	S4	PR108	ASTM 1	****	Opaque	



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Brilliant Red	S3	PR170	ASTM 11	***	Semi Transparent	
Cadmium Red Deep	S4	PR108	ASTM 1	****	Opaque	
Pilbara Red	S3	PR101, PV19, PBR7	ASTM 1	****	Transparent	
Spectrum Crimson	S1	PV19	ASTM 1	****	Transparent	Staining
Permanent Crimson	S3	PR176, PR101	BWS 6-7	***	Transparent	Staining
Rose Madder	S4	PV19	ASTM 1	****	Transparent	Staining
Permanent Rose	S3	PV19	ASTM 1	****	Transparent	Staining
Permanent Magenta	S3	PV19	ASTM 1	****	Semi Transparent	Staining
Flinders Red Violet	S3	PV19	ASTM 1	****	Semi Transparent	
Cobalt Violet	S4	PV14	ASTM 1	****	Transparent	Granulating
Ultramarine Violet	S3	PV15	ASTM 1	****	Transparent	
Permanent Mauve	S3	PB29, PV19	ASTM 1	****	Transparent	Staining
Flinders Blue Violet	S4	PV16	ASTM 1	****	Semi Transparent	Granulating
French Ultramarine	S3	PB29	ASTM 1	****	Semi Transparent	Granulating
Ultramarine Blue	S1	PB29	ASTM 1	****	Semi Transparent	Granulating
Cobalt Blue	S4	PB28	ASTM 1	****	Semi Transparent	
Spectrum Blue	S1	PB29, PB15:3	ASTM 11	***	Semi Transparent	Staining
Prussian Blue	S1	PB27	ASTM 1	****	Semi Transparent	Staining
Indigo Blue	S1	PB29, PBk6, PB15:3	ASTM 11	***	Semi Transparent	Staining



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Phthalo Blue	S1	PB15:3	ASTM 11	***	Transparent	Staining
Antwerp Blue	S1	PB27	ASTM 1	****	Transparent	
Cerulean Blue	S4	PB35	ASTM 1	****	Semi Transparent	Granulating
Tasman Blue	S2	PW4, PB29, PG7	ASTM 1	****	Opaque	
Australian Turquoise	S4	PG50	ASTM 1	****	Opaque	Granulating
Viridian	S4	PG18	ASTM 1	****	Transparent	Granulating
Phthalo Green	S1	PG7	ASTM 1	****	Transparent	Staining
Australian Leaf Green Dark	S3	PY129, PG7, PR175, PY83	ASTM 1	****	Semi Transparent	
Olive Green Permanent	S2	PY42, PG7	ASTM 1	****	Semi Transparent	Granulating
Hookers Green Permanent	S2	PG7, PY42	ASTM 1	****	Semi Transparent	Staining
Oxide of Chromium	S2	PG17	ASTM 1	****	Opaque	Staining
Australian Green Gold	S3	PY129, PG7	ASTM 1	****	Transparent	
Sap Green Permanent	S3	PY129, PG7	ASTM 1	****	Transparent	Staining
Australian Grey	S2	PBr7, PY42	ASTM 1	****	Opaque	Granulating
Naples Yellow	S1	PW4, PY42	ASTM 1	****	Opaque	
Naples Yellow Reddish	S1	PW4, PY42, PO20	ASTM 1	****	Opaque	
Yellow Ochre	S1	PY42	ASTM 1	****	Opaque	Granulating
Raw Sienna Hue	S1	PY42	ASTM 1	****	Semi Transparent	Granulating
Raw Sienna Natural	S1	PBr7	ASTM 1	****	Semi Transparent	Granulating



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Burnt Sienna Hue	S1	PR101	ASTM 1	****	Semi Transparent	
Burnt Sienna Natural	S1	PBr7	ASTM1	****	Transparent	Granulating
Australian Red Gold	S3	PY83, PR101, PV19	BWS 7-8	***	Transparent	Granulating
Light Red	S1	PR101, PY42	ASTM 1	****	Opaque	
Indian Red	S1	PR101	ASTM 1	****	Opaque	
Raw Umber	S1	PBr7, PY42, PR101	ASTM 1	****	Semi Transparent	Granulating
Burnt Umber	S1	PBr7, PY42, PR101	ASTM 1	****	Semi Transparent	Granulating
Mars Violet	S2	PR101	ASTM 1	****	Opaque	
Warm Sepia	S1	PR101, PBk6	ASTM 1	****	Semi Transparent	
Sepia	S1	PR101, PBk6	ASTM 1	****	Semi Transparent	
Paynes Grey	S1	PB15:3, PBk6, PV19	ASTM 11	***	Semi Transparent	Staining
Neutral Tint	S3	PB15:3, PBk6, PV19	ASTM 11	***	Transparent	
Ivory Black	S1	PBk9	ASTM 1	****	Semi Transparent	Granulating
Lamp Black	S1	PBk6	ASTM 1	****	Semi Transparent	
Australian Leaf Green Dark	S3	PR101, PY83, PG7	ASTM1	****	Semi Transparent	
Sap Green	S2	PY83, PR101, PG7	ASTM1	****	Transparent	
Olive Green	S2	PR101, PY83, PBk7, PG7	ASTM1	****	Semi Transparent	
Australian Yellow Green	S2	PW6, PY129	ASTM1	****	Semi Transparent	
Australian Green Grey	S1	PW6, PY129	ASTM1	****	Semi Transparent	



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Australian Grey	S2	PW6, PR101, PBr7	ASTM1	****	Opaque	
Naples Yellow	S1	PW6, PY35, PY42	ASTM1	****	Opaque	
Jaune Brilliant	S1	PW6, PY35, PR108	ASTM1	****	Opaque	
Naples Yellow Reddish	S1	PW6, P062, P043	ASTM1	****	Opaque	
Yellow Ochre	S1	PY42	ASTM1	****	Opaque	
Transparent Gold Oxide	S2	PY42, PBr7	ASTM1	****	Transparent	
Raw Sienna	S1	PBr7	ASTM1	****	Semi Transparent	
Italian Pink	S3	PY83	ASTM1	****	Transparent	
Australian Red Gold	S3	PR101, PY83, PR122, PV19	ASTM1	****	Transparent	
Transparent Pink Oxide	S1	PR101	ASTM1	****	Transparent	
Transparent Orange Oxide	S1	PR101	ASTM1	****	Transparent	
Transparent Red Oxide	S2	PR101	ASTM1	****	Transparent	
Burnt Sienna	S1	PBr7, PR107	ASTM1	****	Semi Transparent	
Brown Pink	S3	PR101, PY42, PBr7, PBk7	ASTM1	****	Transparent	
Burnt Umber	S1	PBr7	ASTM1	****	Semi Transparent	
Transparent Brown Earth	S1	PBr7	ASTM1	****	Transparent	
Light Red	S1	PR101	ASTM1	****	Opaque	
Indian Red	S1	PR101	ASTM1	****	Opaque	
Mars Violet	S1	PR101	ASTM1	****	Opaque	



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Permanent Vandyke Brown	S1	PBr7, PR101, PBk7	ASTM1	****	Semi Transparent	
Raw Umber	S1	PBr7	ASTM1	****	Semi Transparent	
Gold	S3	Mica Titanate in alkyd resin base	BWS8	****	Opaque	
Silver	S3	Mica Titanate, PBk7 in alkyd resin base	BWS8	****	Opaque	
Copper	S3	Mica Titanate, Iron Oxide in alkyd resin base	BWS8	****	Opaque	
Bronze	S3	Mica Titanate, Iron Oxide in alkyd resin base	BWS8	****	Opaque	
Paynes Grey	S1	PB 29, PW21, PBk7	ASTM1	****	Semi Transparent	
Transparent Black	S1	Natural carbon black, PBk8	ASTM1	****	Transparent	
Ivory Black	S1	PBk9	ASTM1	****	Opaque	
Lamp Black	S1	PBk7	ASTM1	****	Opaque	
Zinc White	S1	PW4, PW6 ground in sunflower oil	ASTM1	****	Opaque	
Titanium White	S1	PW4, PW6 ground in sunflower oil	ASTM1	****	Opaque	
Titanium White 2	S2	PW4, PW6 ground in sunflower oil	ASTM1	****	Opaque	
Underpainting White	S1	PW6, PW4 in alkyd resin base	ASTM1	****	Opaque	
Clear Oil	S2	Alumina Hydrate ground in sunflower oil	BWS8	****	Transparent	



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ASTM: American Society for Testing and Materials.

ASTM 1: Excellent Lightfastness.

ASTM 2: Very good Lightfastness

Where ASTM has not yet tested a colour, international wool scale test is used.

BWS Blue wool scale 8 (excellent)

Gr: Granulating colour

St: Staining colour