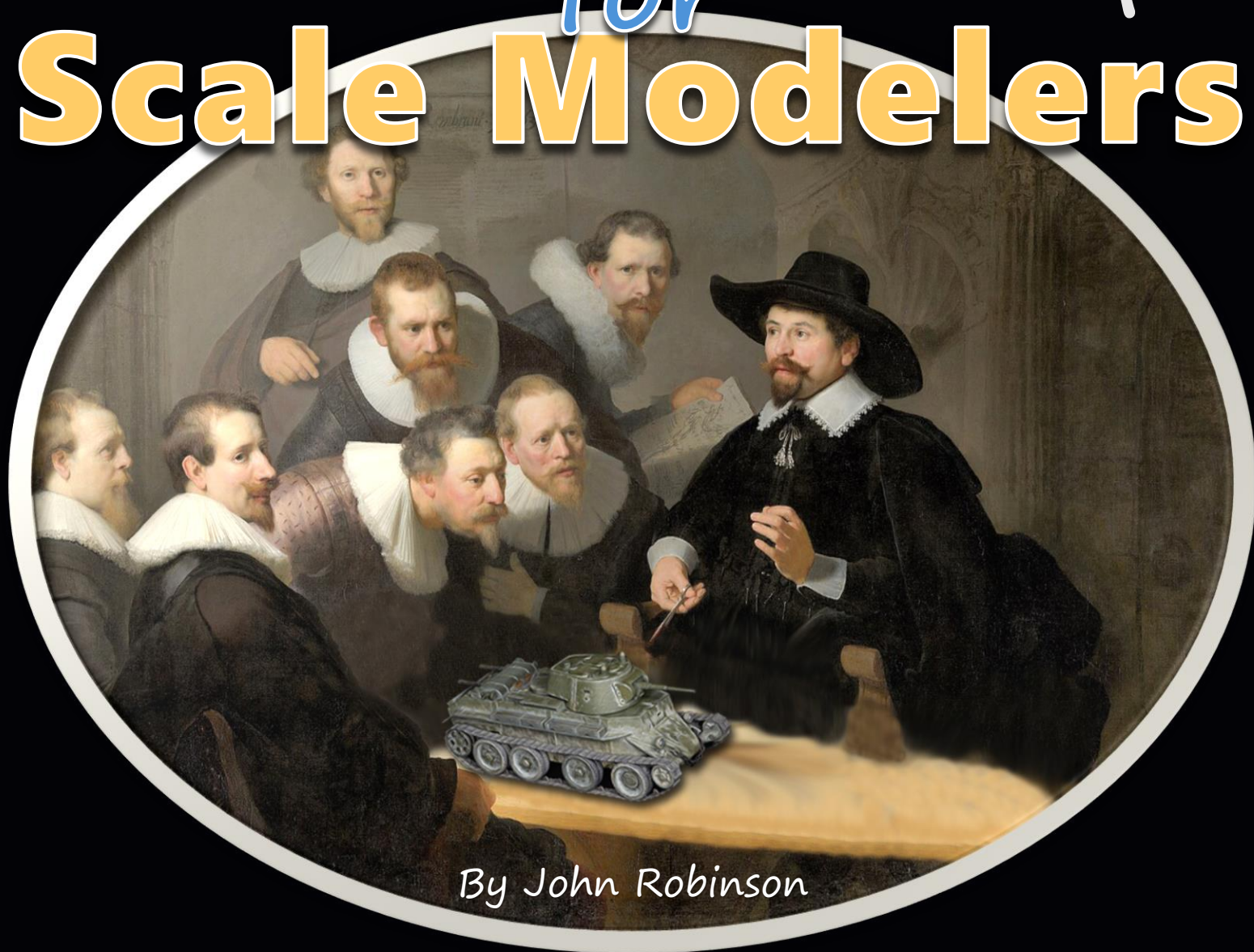


# Oil Paints *for* Scale Modelers

Part 1



By John Robinson

# Why Use Oil Paints for Scale Modeling?

- Enhances acrylic and enamel base layers – it does not replace them
- Smooth color transitions via blending
- Excels at outlining, fading, shading, earth & staining effects
- Oil paints have no odor, but solvents do - use low or odorless solvents for a happy workbench

# Why Use Oil Paints for Scale Modeling?

- Working time - hours, perhaps days, allowing time to correct mistakes
- Expected life span is many years, if the cap is kept clean - use plumber's Teflon wrapping tape on the threads

# What is Oil Paint Anyway?

Pigment + Oil



That's it!

# Oil Paint Composition

## Pigment

- Ancient, natural earth minerals
- No “standard” colors - varies by geographic location
- Also modern, synthetic origin pigments (cheap)



# Oil Paint Composition

## Oil

- Linseed (Flax seed)
- Polymerizes (slowly) when exposed to oxygen
- Other vegetable oils - walnut, poppy seed & safflower



# Oil Paint Grades

## Professional/Artist

- Vibrant colors
- Covers well
- Do more with less
- Fine grain pigment
- Expensive (relatively)



## Educational/Student

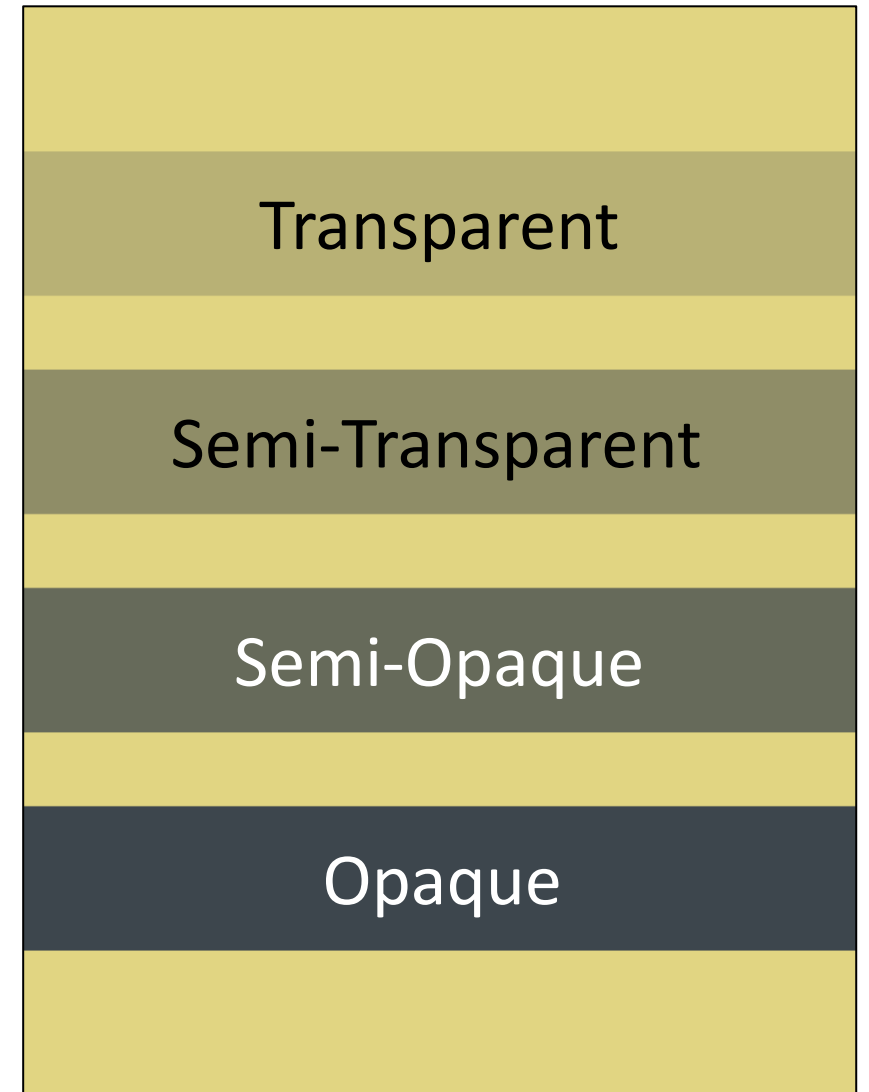
- Colors muted
- Contains fillers & agents
- Durable
- Cheap



# Oil Paint Opacity

- Paint's ability to cover what's underneath
- Look for these on the label:

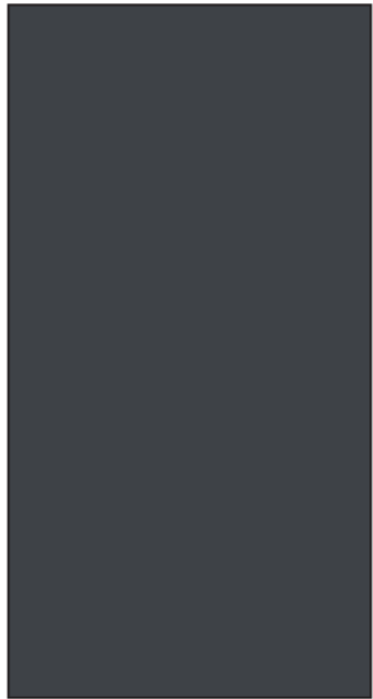
<input type="checkbox"/>	Transparent
<input checked="" type="checkbox"/>	Semi-Transparent
<input checked="" type="checkbox"/>	Semi-Opaque
<input type="checkbox"/>	Opaque



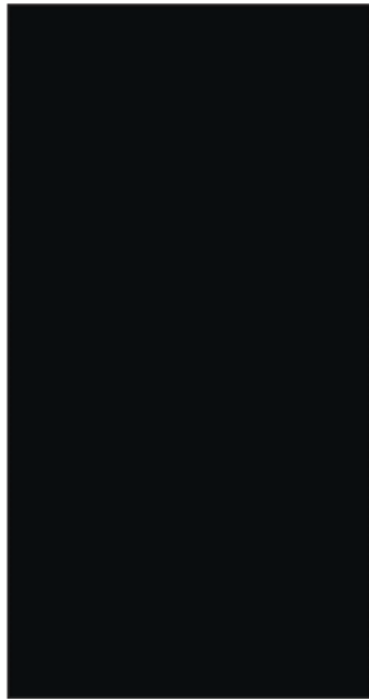


# Oil Paint Color Chart Example

□	Transparent
▨	Semi-Transparent
▩	Semi-Opaque
■	Opaque



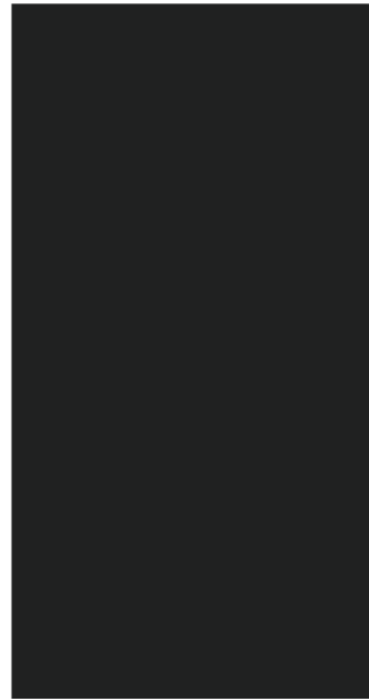
465 AA S1 ▨ |  
Payne's Gray



034 A S1 ▩ |  
Blue Black



322 A S2 □ |  
Indigo



142 AA S1 ▨ |  
Charcoal Grey



386 AA S2 ■ |  
Mars Black



331 AA S1 ▩ |  
Ivory Black

# Oil Paint Cost



Professional Oil:

Raw UMBER

Sorted ↓

Paint	Country	\$ *	Size	Weight	Weight	\$/g	\$/Dollup **	Price Range Each
<b>Blockx</b>	Belgium	\$ 18.43	35.0 ml	1.23 oz	34.9 g	\$ 0.53	\$ 0.26	
<b>Schmincke</b>	Germany	\$ 16.41	35.0 ml	1.23 oz	34.9 g	\$ 0.47	\$ 0.24	
<b>Old Holland</b>	Holland	\$ 11.79	40.0 ml	1.35 oz	38.3 g	\$ 0.31	\$ 0.15	
<b>Williamsburg</b>	US	\$ 9.53	37.0 ml	1.25 oz	35.4 g	\$ 0.27	\$ 0.13	
<b>Michael Harding</b>	England	\$ 9.76	40.0 ml	1.35 oz	38.3 g	\$ 0.26	\$ 0.13	\$10 - \$15; rest >\$20
<b>Sennelier</b>	France	\$ 9.41	40.0 ml	1.35 oz	38.3 g	\$ 0.25	\$ 0.12	\$10 - \$15; rest >\$20
<b>Abteilung 502</b>	Spain	\$ 4.50	20.0 ml	0.70 oz	19.8 g	\$ 0.23	\$ 0.11	
<b>Gamblin</b>	US	\$ 7.80	37.0 ml	1.25 oz	35.4 g	\$ 0.22	\$ 0.11	
<b>Winsor &amp; Newton</b>	England	\$ 7.50	37.0 ml	1.25 oz	35.4 g	\$ 0.21	\$ 0.11	\$8 - \$10; rest <\$25
<b>Grumbacher</b>	US	\$ 7.45	37.0 ml	1.25 oz	35.4 g	\$ 0.21	\$ 0.11	

\* *DickBlick.com*

\*\* *Dollup ~ .5g*

*~ 70 dollups in 37 ml tube*

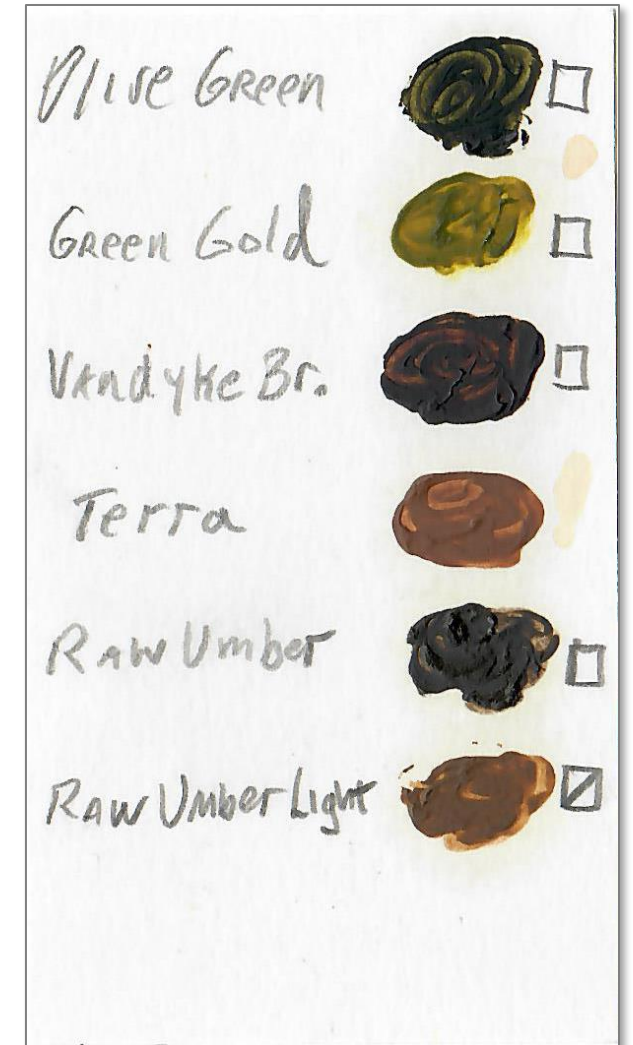
# Before Using Oil Paints...

- Apply to cardboard or paper that is clean and unvarnished
- The wicking action removes most of the oil
- Speeds up the drying time
- Takes about 15-30 minutes, depending on the paint brand, color & age, as well as paper composition



# Choosing Oil Paint for Scale Modeling

- Professional or Artists' Grade
- Know the Opacity property
  - It determines coverage and intensity
- Use a low or odorless solvent
- Wick away the oil before using
- Make your own color chip card





**Questions?**