

# VENATOR

Don't just say red, say

## Venator Copperas Red®



# Welcome to Venator

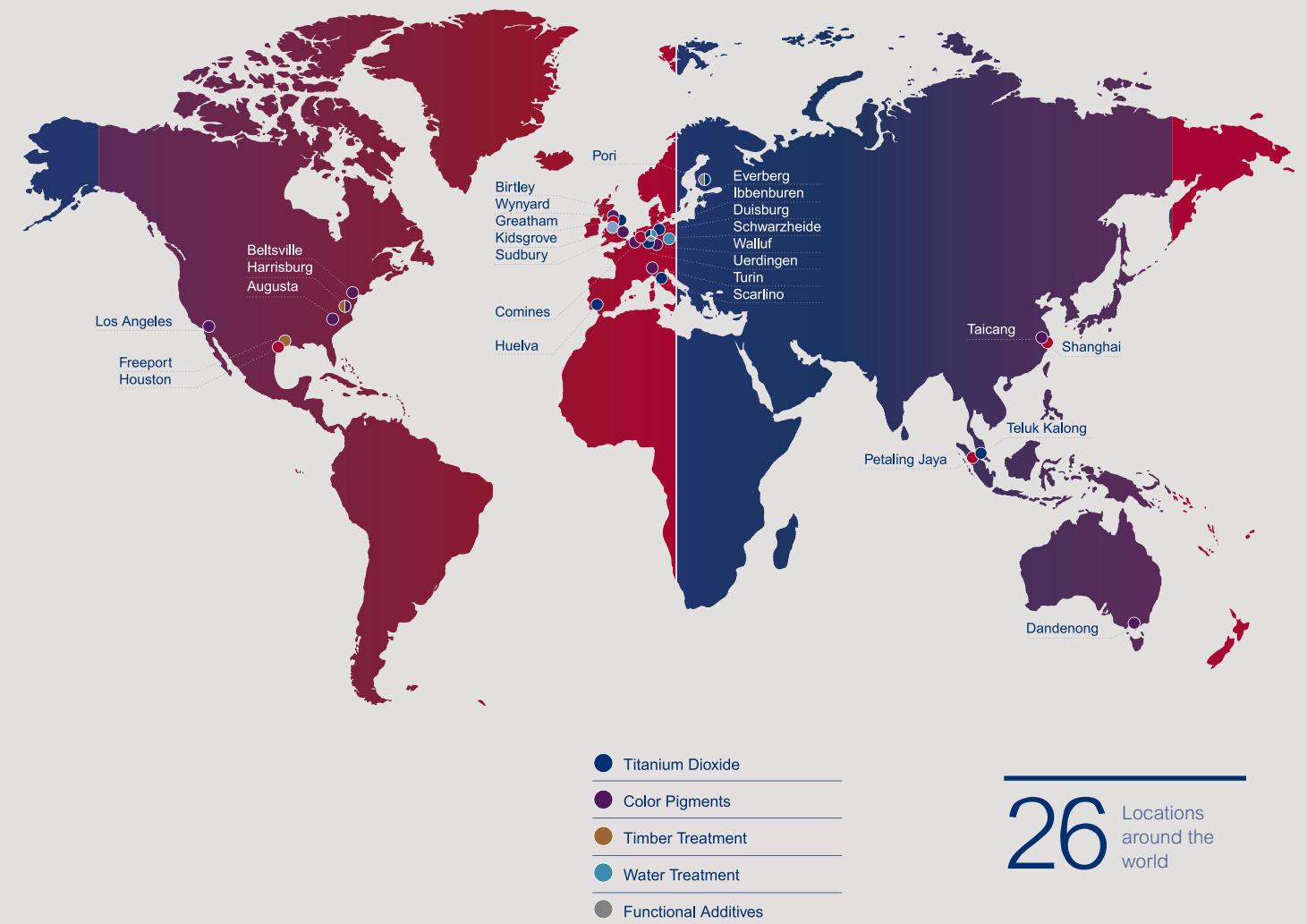
Venator is a leading chemical company focused on the development and manufacture of titanium dioxide pigments and performance additives; including color pigments, water and timber treatment chemicals, that improve the quality of life for consumers everywhere.

We have the broadest product portfolio in the industry and have built up our leading position in specialty titanium dioxide pigments and differentiated performance additives over many years by satisfying the exacting standards of our customers.

Our products are used as intelligent ingredients in thousands of everyday items including paints, plastics, cosmetics, paper, pharmaceuticals, inks, catalysts, concrete, building materials and in water purification. Our skilled team of world class experts provide dedicated advice and technical expertise to support our unrivalled product portfolio.

Operating from 26 locations worldwide, our comprehensive collection of chemistries closely reflects the needs of our customers.

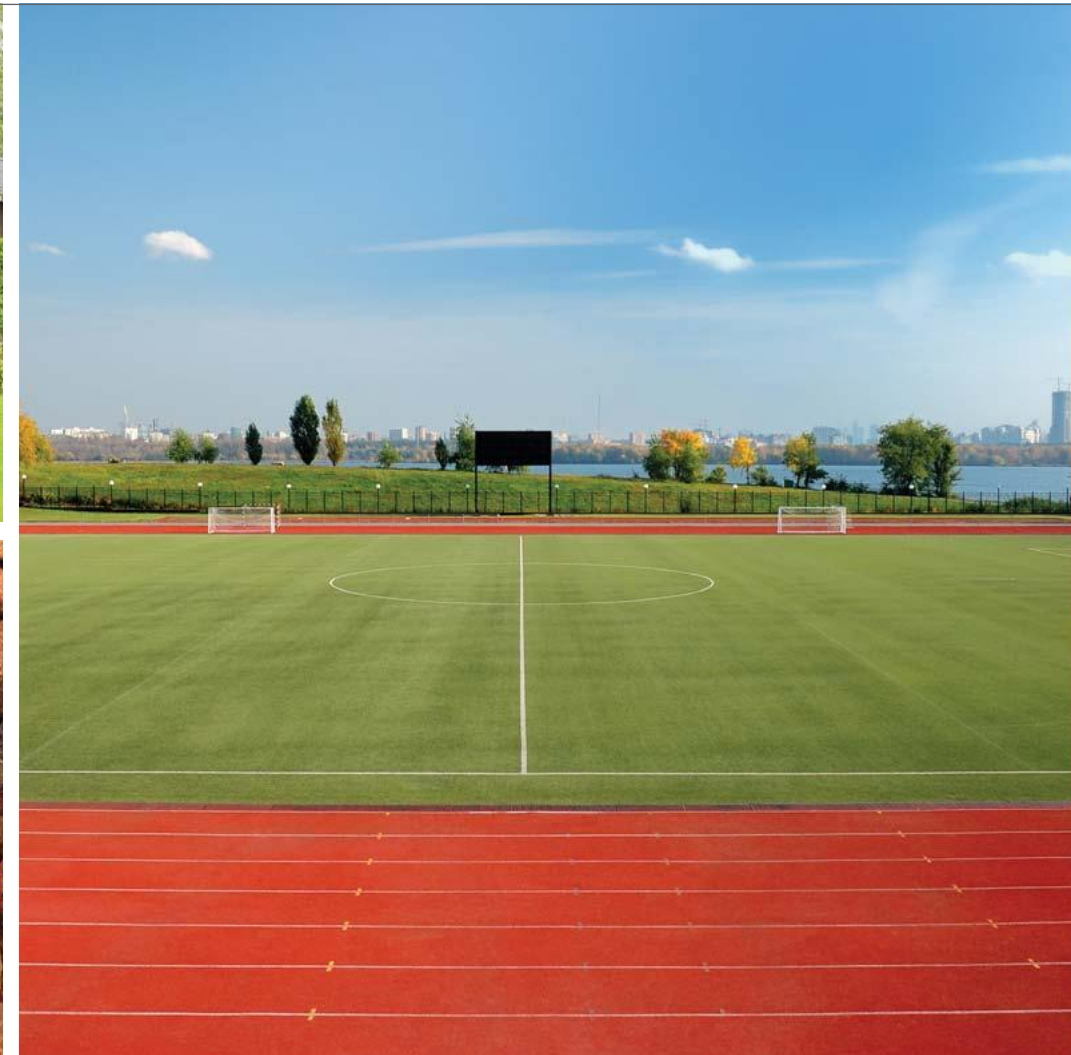
Our portfolio includes titanium dioxide (TiO<sub>2</sub>) pigments, color pigments, functional inorganic additives, eco products and water and timber treatment chemicals.



# The only Copperas Red®

Venator pioneered the Copperas process and created the unique range of premium, iron oxide color pigments that are marketed under the Copperas Red® brand. For over 50 years we have continued to develop this product line and the market leading color space it occupies.

Innovations in our state-of-the-art production facilities now allow us to offer our customers the Copperas Red® color space made via the Penniman Zoph process. The new Copperas Red® range ensures optimum cost efficiency for you with no compromise on the quality and consistency that has become synonymous with Venator products.





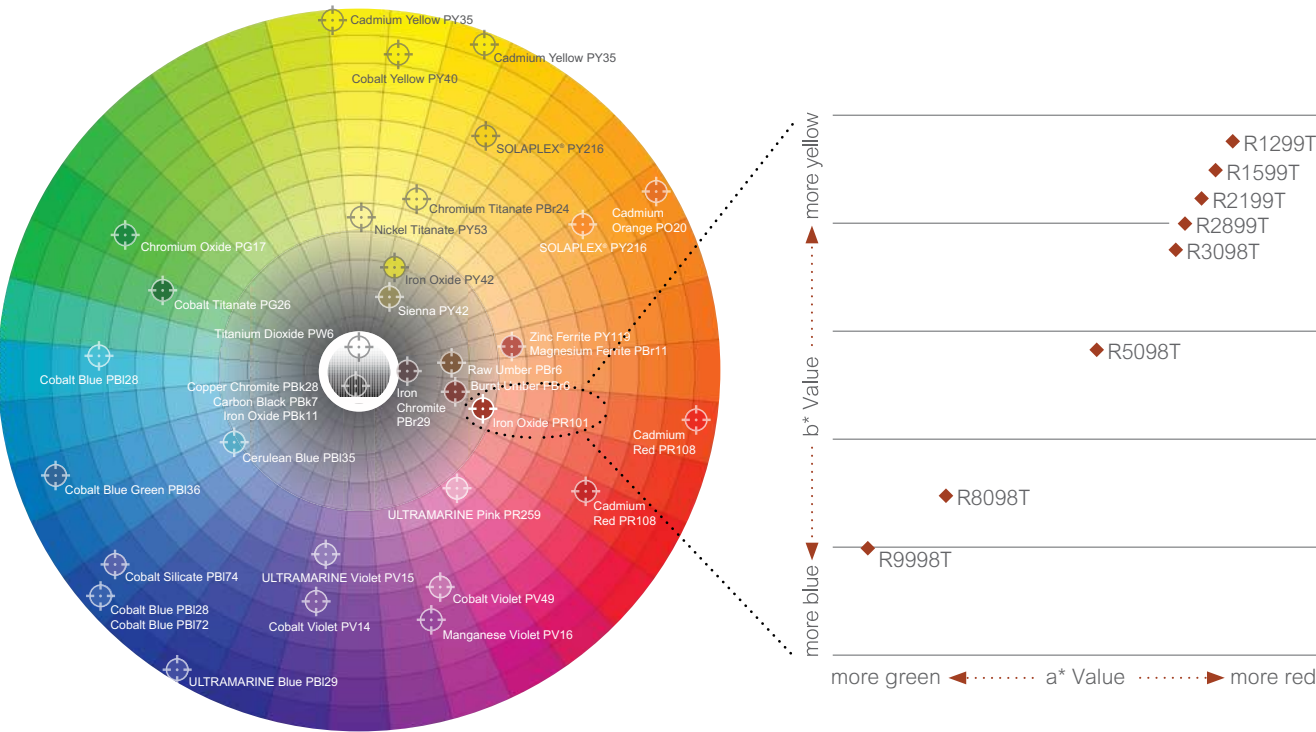
# Copperas Red color space

Our pigments and additives portfolio includes more than 1,000 different color shades. This unrivalled spectrum of options means we can ensure that our customers find exactly the right color - whether it's an off-the-shelf, non-blended pigment or a custom-made solution created using our color formulation expertise.

The ever-popular Venator Copperas Red® is available in multiple color hues from the lightest and truest salmon shade through to a deep orange and the darkest blue shade reds. These rich, solid reds are used across a vast range of applications including decorative paints and coatings, rubber and plastic products, textile finishes, building materials, ceramics, cosmetics and food.

























Venator Copperas Red® offers:

- ▶ High chroma and tinting strength
- ▶ Easy dispersibility and wettability
- ▶ Excellent hiding power
- ▶ High heat resistance
- ▶ Chemical stability
- ▶ Ideal blendability
- ▶ FDA approved grades





# Color range

Masstone	1:3 in Titanium Dioxide	1:9	Masstone	1:3	1:9
					
R1299T			R5098T		
					
R1599T			R8098T		
					
R2199T			R9998T		
					
R2899T					
					
R3098T					

Color reproduction: For technical reasons connected with color reproduction, the colors shown may not exactly match the pigment colors and do not represent a particular finish. High purity grades available on request.





# Typical properties

Product Ref	Fe <sub>2</sub> O <sub>3</sub> Content (%)	Specific Surface Area (m <sup>2</sup> /g)	Oil Absorption (g/100g)	Specific Gravity (g/cm <sup>3</sup> )	Moisture (%)	pH
R1299T	~97	~17.5	21	~5.0	<1.0	~6.5
R1599T	~97	~14.0	21	~5.0	<1.0	~6.5
R2199T	~97	~14.0	21	~5.0	<1.0	~6.5
R2899T	~97	~13.5	18	~5.0	<1.0	~6.5
R3098T	~97	~12.5	17	~5.0	<1.0	~6.5
R5098T	~97	~6.5	16	~5.0	<1.0	~6.5
R8098T	~97	~4.0	16	~5.0	<1.0	~6.5
R9998T	~97	~3.0	15	~5.0	<1.0	~6.5

**Color Index Description** CI Pigment Red 101  
**CI Number** 77491  
**Chemical Formula** Fe<sub>2</sub>O<sub>3</sub>

Typical data is provided for informational purpose only, without guarantee, and does not constitute a product specification.





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