

DESCRIPTION Tyzor® PITA-SM is a mixture of Tyzor® PITA and methyl-trimethoxy silane. It is a yellow-to-orange liquid that is sensitive to moisture.

Tyzor® PITA-SM is designed as a curing agent for silicone-based sealants and adhesives. High reactivity enables it to react with common functional groups such as R-OH, M-OH, SiOH, and R-COOH to effect crosslinking, adhesion promotion and cure rate at low temperatures.

APPLICATIONS

SILICONE SEALANTS AND ADHESIVES

Tyzor® PITA-SM is used in silicone sealants and adhesives to increase cure rate, crosslink silanes, promote adhesion and act as a drying agent. It provides these same benefits when used with silanol end-capped polymers such as polypropylene oxides, acrylates or polyurethanes.

PAINT ADDITIVES

Tyzor® PITA-SM is useful as a binder and also can be used as an adhesion promoter or cross-linker for -OH or -COOH functional polymers and other binders in paints.

HOW TO USE

Tyzor® PITA-SM is typically formulated with the other ingredients in paints and sealants, and it is often added last to prevent undesired pre-reactions with water or other components. It also may be applied as a primer from dilute solution.

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE
TiO ₂ %, approx.	15.2
Active content, %, approx.	80
Color	Yellow to orange
Density @ 20 °C (68 °F) , g/ml (lb/gal), approx.	1.08 (9.01)
Viscosity @ 20 °C (68 °F), mPa, approx.	8
Pour point, °C (°F)	< 10 (50)
Boiling point, °C (°F), (solvent)	102 (215.6)
Flash point, °C (°F)	32 (89.6)
Solubility	Miscible in most organic solvents. Decomposes in water.

SAFETY AND HANDLING

Please refer to the current Material Safety Data Sheet for detailed safety, handling and toxicity information.

TYPICAL SHELF LIFE

2 years



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