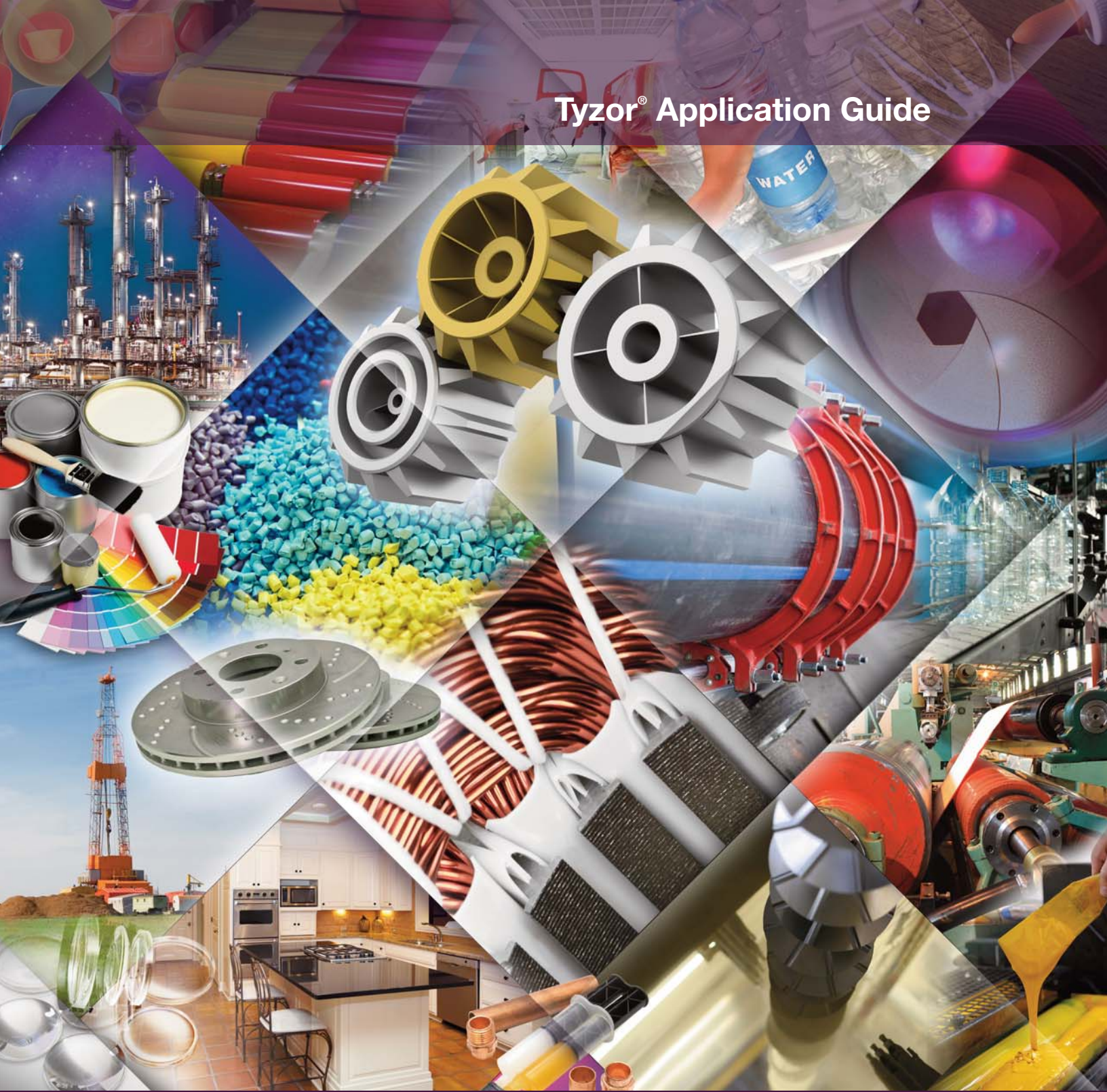


Tyzor® Application Guide



DORF KETAL

*Innovation isn't just what we do.
It's who we are.*

 = PRIMARY CHOICE
 = SECONDARY CHOICE

	TYZOR® 211	TYZOR® 212	TYZOR® 215	TYZOR® 217	TYZOR® 223	TYZOR® 227	TYZOR® 9000	TYZOR® AA	TYZOR® AA-105	TYZOR® AA-65	TYZOR® AA-75	TYZOR® BTM	TYZOR® 9000
WATER SENSITIVITY	STABLE	STABLE	STABLE	STABLE	STABLE	STABLE	REACTIVE	RESISTANT	RESISTANT	RESISTANT	RESISTANT	REACTIVE	RESISTANT
APPLICATIONS													
Printing Inks													
FLEXOGRAPHIC													
GRAVURE													
WATER-BASED													
Paints and Coatings													
SOLVENT-BASED													
WATER-BASED													
WIRE AND ENAMEL													
Corrosion Protection													
METAL PARTS: solvent-based													
METAL PARTS: water-based													
Adhesives													
Water-based: EPOXY, PU, PVA													
Solvent-based: EPOXY, PU													
Sealants													
SILICONE													
Polymer Synthesis													
POLYESTERS: PET													
POLYESTERS: PBT, PPT, others													
POLYOLEFIN													
POLYCARBONATE													
Esterification													
PLASTICIZERS													
ACRYLIC ESTERS													
FATTY ACID ESTERS													
Glass/Ceramic Coatings													
													
Oil and Gas Production													
													

Extensive product information is available on our web site at www.dorfketal.com

Dorf Ketal's Tyzor® compounds are uncommonly versatile organic titanates and zirconates that are highly effective catalysts and crosslinkers, surface modifiers and reagents.

Dorf Ketal's broad selection and superior technical support make it easy to put Tyzor® chemistry to work in your operation.

Start here by matching one or more Tyzor® products with your application, and then call your Dorf Ketal representative for more information.

Discover what Tyzor® can do for you.

Printing Inks

Printing Inks – Permanently bond NC/PU and NC/PA printing inks with polymer packaging and many other substrates, improving drying rates and adding resistance to heat, cold, moisture, solvents and abrasion.

Paints and Coatings

Paints and Coatings –Improve adhesion and dispersion by bonding inorganic fillers with organic resins, and add thixotropic characteristics that help prevent splatter and runs in low-VOC structured paints.

Corrosion Protection

Corrosion Protection – Form thin, strong and flexible protective films, and bind sacrificial pigments such as zinc or aluminum to dissimilar metal substrates.

Adhesives

Adhesives – Replace toxic materials such as tin while improving adhesion in polypropylene oxides, acrylates, alkylene oxides and polyurethanes.

Sealants

Sealants – Increase reaction rates, improve crosslinking and adhesion in silicone sealants and RTV-1 moisture-cure systems, or use as water scavengers to increase shelf life.

Polymer Synthesis

Polymer Synthesis – High-yield catalysts for esterification, transesterification, Ziegler-Natta polymerization and condensation reactions that increase reaction rates with minimal side-reactions.

Esterification

Esterification – High-yield catalysts that produce (meth)acrylic esters, polyester, plasticizers, various esters and polyurethanes along with high-quality recyclable alcohols and minimal olefinic byproducts.

Glass/Ceramic Coatings

Glass/Ceramic Coatings – Increase surface hardness, promote coating adhesion, enhance resistance to scratches and corrosion, add coloring effects, improve heat and light reflection and add iridescence.

Oil and Gas Production

Oil and Gas Production – Crosslinkers for hydraulic fracturing fluids, fluid-loss reducers for drilling fluids, diverting agents for enhanced oil recovery, and cross-linkers for secondary recovery via fluid injection.

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