

WeylClean[®] MnTACN / FDO PP 6 / FDO X / FDO XP



Ultimate stain removal for automatic dishwashing

WeylClean[®] MnTACN, FDO PP 6, FDO X and FDO XP are part of a range of highly efficient bleach catalysts (based on MnTACN) for automatic dishwashing (ADW) applications with a special focus on tea stain removal. In combination with persalts (e.g. sodium percarbonate) or H₂O₂, they boost oxidation processes during the dish wash cycle at temperatures below 70 °C.

These catalysts, based on MnTACN, are available as pure catalyst powder (WeylClean[®] MnTACN) and as granulates with or without the bleach activator TAED, for easier handling. WeylClean[®] FDO PP 6 is a coated catalyst granulate without TAED based on a natural, non-GMO binder. As granulates with TAED for additional hygiene effect, there are two versions on hand; WeylClean[®] FDO X (uncoated) and WeylClean[®] FDO XP (coated for extra robustness). Being catalysts, all are used at very low concentrations and save valuable formulation space.

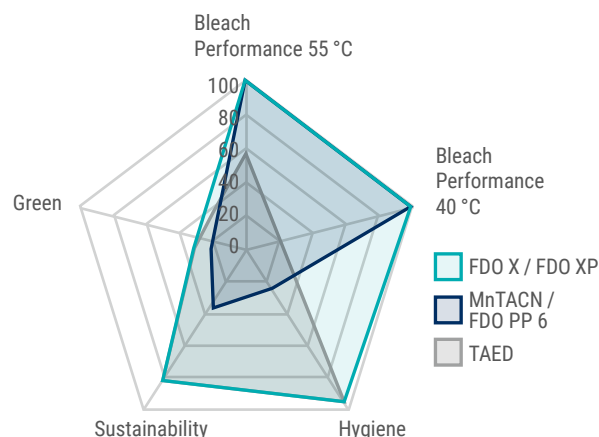


WeylClean® MnTACN / FDO PP 6 / FDO X / FDO XP

Ultimate stain removal for automatic dishwashing

Benefits

- Superior tea stain removal at 40 to 70 °C in comparison to TAED (verified by test institutes)
- Provides hygienically clean dishes (WeylClean® FDO X and FDO XP)
- Highly effective in phosphate-free formulations
- Highly compatible with enzymes due to mimicking the active center of natural occurring manganese-containing enzymes
- Supports amylase in starch degradation processes
- Robust in alkaline formulations due to compatibility with most ADW ingredients



Product Description

- Optimum pH range of washing liquor from 10.2 to 10.5 (verified by test institutes)

	WeylClean® MnTACN	WeylClean® FDO PP 6	WeylClean® FDO X	WeylClean® FDO XP
Type	Catalyst powder	Coated catalyst granule	Activator & catalyst co-granule	Coated activator & catalyst co-granule
Appearance	Orange to red free-flowing powder	Orange to pink granules	Orange to pink granules	Orange to pink granules
Active content [%]				
Natural binder (non-GMO) (%)	-	45 - 49	-	-
Catalyst (%)	Min. 98	5.4 - 6.6	1.5 - 2.25	1.4 - 2.4
TAED (%)	-	-	72 - 78	69 - 74
Binder				
Polycarboxylate (%)	-	-	-	20 - 24
Particle size (µm)	< 200	200 - 1250	200 - 1000	200 - 1250
Bulk density (g/l)	500 - 800	550 - 750	550 - 750	550 - 750
pH	6 - 8	6 - 8	4.5 - 6.5	4.5 - 6.5
Recommended usage level (%)	0.02 - 0.04	0.35 - 0.65	1 - 2	1 - 2
Recommended dosage of catalyst per wash (mg/20g dose)	4 - 8	70 - 130	200 - 400	200 - 400

Application Areas

Product	HOME CARE				FABRIC CARE					I & I			
	Manual Dishwashing	Automatic Dishwashing			Hard Surface Cleaning	Laundry Detergents				Laundry Aids - Spot and Stain Remover	Fabric Softener	Industrial Cleaner	Institutional Cleaner
Liquids	Powders	Tablets	Powder Detergents	Detergent Tablets		Liquid Detergents	Special Detergents						
WeylClean® Catalysts													
WeylClean® MnTACN			•	•									•
WeylClean® FDO PP			•	•									•
WeylClean® FDO X			•	•									•
WeylClean® FDO XP			•	•									•

WeylCare® MnTACN, FDO PP 6, FDO X and FDO XP should not be used in laundry applications, as fabric damage cannot be ruled out.

This brochure does not constitute any representation or warranty and may not be treated as an offer to supply Product. We would be pleased to provide you a binding offer to supply Product meeting your individual needs and requirements.



WeylChem Performance Products GmbH
 Kasteler Strasse 45, 65203 Wiesbaden
 consumer.care@weylchem.com
 www.weylchem.com
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