



Chemical Resistance of PercoTop®

Description
 Resistance to chemicals according to DIN EN ISO 2812-3.
 Test of short-term resistance 1 hour to 24 hours.

Requirements for resistant coating

Pretreatment
 Bare metal and degreased (free of release agents).
 Because of the variety of metal alloys and manufacturing processes, it is recommended to carry out a preliminary adhesion test.

Suitable priming materials		
CS340 - CS347	PercoTop® 2K HS Primer 040	at least 40 µm
CS371 - CS372	PercoTop® 2K VHS Power Primer 4000	at least 40 µm
CS381	PercoTop® 2K Epoxy Primer	at least 40 µm
	PercoTop® Topcoats	at least 40 µm

Drying of the topcoat before exposure to chemicals
 At +20°C ambient temperature
 At least 7 days

For professional use only!

Chemical Resistance of PercoTop®

Resistance Table Chemicals

Test liquid	Concentration (%)	PercoTop® Primers as recommended												
		PercoTop® 611		PercoTop® 449		PercoTop® HS		PercoTop® PUR		PercoTop® Acryl 100		PercoTop® EP		
		Stress												
		1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	
Ammonia solution	10	+	+	+	+	+	+	+	+	+	+	+	+	
Sodium chloride solution	20	+	+	+	+	+	+	+	+	+	+	+	+	
Nitric acid	10	+	-	+	-	+	-	+	+	+	+	+/-	-	
Hydrochloric acid	20	+	-	+	+	+	+	+	+	+	+	+	+/-	
Sulfuric acid	20	+	+	+	+	+	+	+	+	+	+	+	+	
Phosphoric acid	20	+	-	+	+	+	+	+	+/-	+	+	+	-	
Acetic acid	10	+	-	+	+	+	+	+	+	+	+	+	-	
Formic acid	10	+	-	+	+	+	+	+	+	+	+	+	-	
Urea solution	20	+	+	+	+	+	+	+	+	+	+	+	+	
Triethanol amine	100	+	+	+	+	+	+	+	+	+	+	+	+	
Caustic soda solution	10	+	+	+	+	+	+	+	+/-	+	+	+	+/-	
		+	resistant											
		-	not resistant											
		+/-	slight to medium changes: softening, stains, gloss, colour											



Chemical Resistance of PercoTop®

Resistance Table Fuels/Oils

Test liquid	PercoTop® Primers as recommended												
	PercoTop® 611		PercoTop® 449		PercoTop® HS		PercoTop® PUR		PercoTop® Acryl 100		PercoTop® EP		
	Stress												
	1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	
Supergrade petrol	+/-	-	+	+	+	+	+	+	+/-	+	+/-	+	+/-
Diesel	+	-	+	+	+	+	+	+	+	+	+	+	+
Gear oil SAE 90	+	+	+	+	+	+	+	+	+	+	+	+	+
Engine oils	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydraulic oil ATE	+	+	+	+	+	+	+	+	+	+	+	+	+
Brake fluide ATE	-	-	+	+/-	+/-	+/-	+/-	+/-	+/-	+	+/-	+/-	-
Rape seed oil	+	-	+	+	+	+	+	+	+	+	+	+	+
	+	resistant											
	-	not resistant											
	+/-	slight to medium changes: softening, stains, gloss, colour											



Chemical Resistance of PercoTop®

Resistance Table Solvents

Test liquid	PercoTop® Primers as recommended												
	PercoTop® 611		PercoTop® 449		PercoTop® HS		PercoTop® PUR		PercoTop® Acryl 100		PercoTop® EP		
	Stress												
	1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	1 h	24 hr	
Acetone	-	-	+	+	+/-	+/-	+/-	-	-	-	-	-	
Ethyl glycol	-	-	+	-	+/-	-	+/-	-	+/-	-	-	-	
Ethyl acetate	-	-	+	-	+/-	-	-	-	-	-	-	-	
Ethyl alcohol	+/-	-	+	+	+	-	+	-	-	-	-	-	
Isopropyl alcohol	+/-	-	+	+	+	-	+	-	+	-	+	-	
Styrene monomer	-	-	+/-	+/-	-	-	-	-	-	-	-	-	
Cyclohexanone	+/-	-	+	+	+	+	+/-	-	+/-	-	-	-	
Xylene	-	-	+	-	-	-	+	-	+	-	+	-	
Methyl ethyl ketone	-	-	+/-	+/-	-	-	-	-	-	-	-	-	
Methyl isobutyl ketone	-	-	+/-	+	-	-	-	-	+/-	+/-	+/-	-	
	+	resistant											
	-	not resistant											
	+/-	slight to medium changes: softening, stains, gloss, colour											



Chemical Resistance of PercoTop®

Resistance Table Cleaning Agents

Test liquid	Concentration (%)	PercoTop® Primers as recommended											
		PercoTop® 611		PercoTop® 449		PercoTop® HS		PercoTop® PUR		PercoTop® Acryl 100		PercoTop® EP	
		Stress											
		1 hr	24 hr	1 hr	24 hr	1 hr	24 hr	1 hr	24 hr	1 hr	24 hr	1 hr	24 hr
Domestos solution	10	+	+/-	+	+	+	+	+	+	+	+	+	+
Glass cleaner	100	+	-	+	+	+	+	+	+	+	+	+	+
Universal cleaning agent	10	+	+	+	+	+	+	+	+	+	+	+	+
FAM	100	-	-	-	-	-	-	+/-	+/-	-	-	-	-
Cleaning agent with decalcifier	100	+	+/-	+	+	+	+	+	+	+	+	+	+
	+	resistant											
	-	not resistant											
	+/-	slight to medium changes: softening, stains, gloss, colour											

Safety
 Consult the Safety Data Sheet prior to use.
 Observe the precautionary notices displayed on the container.



Chemical Resistance of PercoTop®

Information

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions Axalta makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.

This Technical Data Sheet supersedes all previous issues.

Copyright © 2014, Axalta Coating Systems, LLC and all affiliates. All rights reserved. The Axalta logo, Axalta™, Axalta Coating Systems™ and all products denoted with™ or® are trademarks or registered trademarks of Axalta Coating Systems, LLC and its affiliates. Axalta trademarks may not be used in connection with any product or service that is not an Axalta product or service.