



PercoTop[®] Industrial Coating

QUALICOAT

For professional use only!

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QUALICOAT provides a specification to obtain the quality certificate for coatings on aluminium with liquid and powder coatings for architectural applications.
The aim of this specification is to lay down the minimum requirements which ensure the production of good quality.
(Aluminium and its alloys must be suited for the different coating processes.)
In addition, the material must be free of corrosion and any kind of impurities, especially those caused by silicone containing greases.

The coating company may only use coating materials approved by QUALICOAT for this production.

QUALICOAT includes different specifications for substrate pretreatment and quality tests of the coating systems.

Because of its detailed description this specification is not only applied for building construction, but also used for other applications.

PercoTop[®] Acryl 100 meet the requirements of color stability/gloss of the accelerated weathering tests according to EN ISO 11341.
The applicable limit values are listed in the table on the following page.

Detailed information can be found in the current version of the standard/specification.



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RAL/Delta E Table

1000	RAL	1000	Delta E	3.0
1001	RAL	2000	Delta E	6.0
1002	RAL	2001	Delta E	3.0
1003	RAL	2002	Delta E	8.0
1004	RAL	2003	Delta E	6.0
1005	RAL	2004	Delta E	5.0
1006	RAL	2008	Delta E	6.0
1007	RAL	2009	Delta E	4.0
1011	RAL	3000	Delta E	6.0
1012	RAL	3001	Delta E	8.0
1013	RAL	3002	Delta E	4.0
1014	RAL	3003	Delta E	6.0
1015	RAL	3004	Delta E	4.0
1016	RAL	3005	Delta E	4.0
1017	RAL	3007	Delta E	4.0
1018	RAL	3009	Delta E	4.0
1019	RAL	3011	Delta E	6.0
1020	RAL	3012	Delta E	6.0
1021	RAL	3013	Delta E	2.0
1022	RAL	3014	Delta E	6.0
1023	RAL	3015	Delta E	4.0
1024	RAL	3016	Delta E	3.0
1025	RAL	3017	Delta E	5.0
1026	RAL	3018	Delta E	3.0
1027	RAL	3020	Delta E	4.0
1028	RAL	3022	Delta E	8.0
1029	RAL	3027	Delta E	6.0
1032	RAL	4001	Delta E	4.0
1033	RAL	4002	Delta E	4.0
1034	RAL	4003	Delta E	5.0
1035	RAL	4004	Delta E	5.0
1036	RAL	4005	Delta E	4.0
1037	RAL	4007	Delta E	5.0
1038	RAL	4009	Delta E	4.0
1039	RAL	5000	Delta E	4.0
1040	RAL	5001	Delta E	4.0
1041	RAL	5002	Delta E	4.0
1042	RAL	5003	Delta E	5.0
1043	RAL	5004	Delta E	5.0
1044	RAL	5005	Delta E	4.0
1045	RAL	5007	Delta E	4.0
1046	RAL	5008	Delta E	4.0
1047	RAL	5009	Delta E	5.0
1048	RAL	5010	Delta E	4.0
1049	RAL	5011	Delta E	5.0
1050	RAL	5012	Delta E	4.0
1051	RAL	5013	Delta E	4.0
1052	RAL	5014	Delta E	5.0
1053	RAL	5015	Delta E	4.0
1054	RAL	5017	Delta E	5.0
1055	RAL	5018	Delta E	5.0
1056	RAL	5019	Delta E	4.0
1057	RAL	5020	Delta E	5.0
1058	RAL	5021	Delta E	4.0
1059	RAL	5022	Delta E	5.0
1060	RAL	5023	Delta E	4.0
1061	RAL	6000	Delta E	5.0
1062	RAL	6001	Delta E	5.0
1063	RAL	6002	Delta E	4.0
1064	RAL	6003	Delta E	4.0
1065	RAL	6004	Delta E	5.0
1066	RAL	6005	Delta E	5.0
1067	RAL	6006	Delta E	3.0
1068	RAL	6007	Delta E	4.0
1069	RAL	6008	Delta E	4.0
1070	RAL	6009	Delta E	4.0
1071	RAL	6010	Delta E	5.0
1072	RAL	6011	Delta E	4.0
1073	RAL	6012	Delta E	4.0
1074	RAL	6013	Delta E	4.0
1075	RAL	6014	Delta E	3.0
1076	RAL	6015	Delta E	4.0
1077	RAL	6016	Delta E	4.0
1078	RAL	6017	Delta E	5.0
1079	RAL	6018	Delta E	4.0
1080	RAL	6019	Delta E	4.0
1081	RAL	6020	Delta E	2.0
1082	RAL	6021	Delta E	4.0
1083	RAL	6024	Delta E	3.0
1084	RAL	6025	Delta E	5.0
1085	RAL	6026	Delta E	5.0
1086	RAL	6027	Delta E	2.0
1087	RAL	6028	Delta E	5.0
1088	RAL	6029	Delta E	5.0
1089	RAL	6033	Delta E	2.0
1090	RAL	6034	Delta E	2.0
1091	RAL	7000	Delta E	4.0
1092	RAL	7001	Delta E	3.0
1093	RAL	7002	Delta E	4.0
1094	RAL	7003	Delta E	4.0
1095	RAL	7004	Delta E	4.0
1096	RAL	7005	Delta E	4.0
1097	RAL	7006	Delta E	4.0
1098	RAL	7008	Delta E	4.0
1099	RAL	7009	Delta E	4.0
1100	RAL	7010	Delta E	4.0
1101	RAL	7011	Delta E	4.0
1102	RAL	7012	Delta E	4.0
1103	RAL	7013	Delta E	4.0
1104	RAL	7015	Delta E	4.0
1105	RAL	7016	Delta E	3.0
1106	RAL	7021	Delta E	4.0
1107	RAL	7022	Delta E	4.0
1108	RAL	7023	Delta E	3.0
1109	RAL	7024	Delta E	4.0
1110	RAL	7026	Delta E	4.0
1111	RAL	7030	Delta E	2.0
1112	RAL	7031	Delta E	4.0
1113	RAL	7032	Delta E	2.0
1114	RAL	7033	Delta E	3.0
1115	RAL	7034	Delta E	3.0
1116	RAL	7035	Delta E	2.0
1117	RAL	7036	Delta E	3.0
1118	RAL	7037	Delta E	3.0
1119	RAL	7038	Delta E	2.0
1120	RAL	7039	Delta E	4.0
1121	RAL	7040	Delta E	3.0
1122	RAL	7043	Delta E	3.0
1123	RAL	7044	Delta E	2.0
1124	RAL	7047	Delta E	2.0
1125	RAL	8000	Delta E	4.0
1126	RAL	8001	Delta E	3.0
1127	RAL	8003	Delta E	4.0
1128	RAL	8004	Delta E	4.0
1129	RAL	8007	Delta E	4.0
1130	RAL	8008	Delta E	4.0
1131	RAL	8011	Delta E	4.0
1132	RAL	8012	Delta E	4.0
1133	RAL	8014	Delta E	3.0
1134	RAL	8015	Delta E	4.0
1135	RAL	8016	Delta E	4.0
1136	RAL	8017	Delta E	4.0
1137	RAL	8019	Delta E	3.0
1138	RAL	8022	Delta E	5.0
1139	RAL	8024	Delta E	4.0
1140	RAL	8025	Delta E	4.0
1141	RAL	8028	Delta E	3.0
1142	RAL	9001	Delta E	2.0
1143	RAL	9002	Delta E	2.0
1144	RAL	9003	Delta E	2.0
1145	RAL	9004	Delta E	5.0
1146	RAL	9005	Delta E	5.0
1147	RAL	9006	Delta E	2.0
1148	RAL	9007	Delta E	2.0
1149	RAL	9010	Delta E	2.0
1150	RAL	9011	Delta E	5.0
1151	RAL	9016	Delta E	2.0
1152	RAL	9018	Delta E	2.0
1153	RAL	9022	Delta E	2.0

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Weathering test

Accelerated weathering test EN ISO 11341 acc. to QUALICOAT conditions				
		1000 h (QUALI-COAT limit)	1500 h	2000 h
PercoTop® PUR Topcoat	Standard colors (e.g. black, white)	++	++	++
	Yellow/red/orange colors avoiding CS025, CS031, CS042 (HD colour formulae)	++	+	--

Accelerated weathering test EN ISO 11341 acc. to Qualicoat conditions				
		1000 h (Qualicoat limit)	1500 h	2000 h
PercoTop® Acryl 100 Topcoat	Standard colors (e.g. black, white)	++	++	++
	Yellow/red/orange colors using CS025, CS031, CS042 (standard colour formulae)	+	0	--
	Yellow/red/orange colors avoiding CS025, CS031, CS042 (HD colour formulae)	++	++	++

++	Test criteria acc. to DIN 67530 and DIN 6174 fulfilled.
+	Test criteria acc. to DIN 67530 and DIN 6174 still fulfilled.
0	Test criteria acc. to DIN 67530 and DIN 6174 partly fulfilled (depending on the colour).
--	Test criteria acc. to DIN 67530 and DIN 6174 not fulfilled.

EN ISO 2813/ DIN 67530	Loss of gloss variation. (measurement of specular gloss of non-metallic paint films)
ISO 7724-3/ DIN 6174	Colour change (calculation of colour differences)

For access to the HD formulas required for outdoor durability, please contact your Axalta representative.



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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.

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