

Certificate

ACRYLIC SHEETS

Family of products: WATER

CSTB hereby certifies that the products referred to in the appendix comply with the characteristics described in the certification reference system NF ACRYLIC SHEETS (NF116), in force, following an assessment performed according to the inspection procedures set out in this reference system.

By virtue of the present decision notified by CSTB, AFNOR Certification grants:

The company ALTUGLAS INTERNATIONAL

VISION DEFENSE 89 BOULEVARD NATIONAL

92257 LA GARENNE COLOMBES CEDEX (FRANCE)

Factory : ALTUGLAS INTERNATIONAL

BP 90229

57506 SAINT AVOLD (FRANCE)

the right to use the NF mark ACRYLIC SHEETS for the products covered under this decision, throughout its period of validity and under the conditions provided for in the general rules of NF mark and the above-mentioned reference system.

Decision of renewal ATO2 du 10/10/2019
This decision takes the place of any previous decision.

Except in case of withdrawal, suspension or modification, this certificate is valid for 12 months.

This valid certificate is available on the following Web site <http://evaluation.cstb.fr> to check its validity.

CERTIFIED CHARACTERISTICS

The products covered by the NF mark ACRYLIC SHEETS have the minimal characteristics required by the standards, possibly completed by the technical specifications specified in the appendix.

NF EN 263 Crosslinked cast acrylic sheets for bath and shower trays for Domestic purposes.

NF ISO 7823-1 Plastics. Poly(methyl methacrylate) sheets. Types, dimensions and characteristics. Part 1 : cast sheets.

The following characteristics alone are guaranteed :

- Compliance with the thicknesses and their tolerances,
- VICAT softening point $\geq 105^{\circ}\text{C}$
- Water absorption $\leq 40\text{mg}$
- Thermal stability during its transformation (no alteration of the surface),
- Tensile strength higher than 60 Mpa,
- Stability of colours : light resistance + hot water resistance,
- Résistance to chemicals, hot water and stains.

This certificate comprises 1 pages.

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Pour le CSTB
Pour le Président


Edwige PARISEL

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DESIGNATION

Designation
ALTUGLAS CS SANITIZED-114 ou 115
ALTUGLAS CS EASY FORMING-112 ou 113
ALTUGLAS CS EASY MACHINING-116 ou 117
ALTUGLAS CS-110 ou 111

Size

Size (mm)
3060 x 2060
3085 x 1820

Thickness

Thickness (mm)
3,2
4
5
8

COLORS

No	Range	Reference	Appearance	Shade
1	CLEAR	10001	Brillant	Clair
2	WHITE	20080	Brillant	Clair
3	EUROPEAN WHITE	20684	Brillant	Clair
4	WHITE WHITE	20081	Brillant	Clair
5	MANHATTAN	20683	Brillant	Clair
7	PERGAMON	23195	Brillant	Clair
8	ITALIAN BIANCO	22688	Brillant	Clair
9	BIANCO	20493	Brillant	Clair
10	BEIGE BAHAMAS	21186	Brillant	Clair
11	SOFT CREAM	23190	Brillant	Clair
12	AGAIS	21382	Brillant	Clair
16	JASMIN	20189	Mat	Clair
17	INDIAN IVORY	20192	Brillant	Clair
18	CHAMPAGNE	20199	Brillant	Clair
19	LAGON VERT	20391	Brillant	Clair
20	KEY WEST	20498	Brillant	Clair

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No	Range	Reference	Appearance	Shade
21	EDELWEISS	20688	Mat	Clair
22	WHISPER GREY	20690	Brillant	Clair
23	WHISPER PINK	20883	Brillant	Clair
24	GREENWICH	21381	Brillant	Clair
25	KLASSIEK WHITE	22684	Brillant	Clair
27	STAR WHITE	23686	Brillant	Clair
28	CALYPSO	30359	Brillant	Moyen
29	NATURA	24184	Brillant	Clair
32	CHINCHILLA	20685	Mat	Clair
33	GRIGIO SKY	20686	Brillant	Clair
36	FLANELL	20696	Mat	Clair
37	MAGNOLIA	20880	Mat	Clair
38	SUNSET	20881	Brillant	Clair
39	FLAMINGO	20882	Brillant	Clair
41	ROSA CHINA	20884	Brillant	Clair
42	ROSE COURREGES	20885	Brillant	Moyen
43	ROSA ILLUSION	20893	Brillant	Clair
45	VANILLE	22182	Mat	Clair
46	SORBET	22183	Brillant	Clair
47	CHAMOIS	22184	Brillant	Clair
48	BAMBUS	22187	Brillant	Clair
49	CANARY	22188	Brillant	Clair
50	WHISPER PEACH	22189	Brillant	Clair
51	TAUPE	22682	Brillant	Clair
53	ROCA EDELWEISS	22687	Mat	Clair
54	CAMEE	23183	Brillant	Clair
57	CURRY	30114	Brillant	Clair
58	TURKIS ROYAL	30327	Brillant	Moyen
59	MARAIS	30337	Brillant	Moyen
60	SORRENTO	30436	Brillant	Moyen
61	BLEU SEVRES	30457	Brillant	Foncé
62	BLEUET	30458	Brillant	Moyen
63	BLACK	30530	Brillant	Foncé
64	WILD SAGE	30626	Brillant	Moyen
65	EBONY	30636	Mat	Foncé
66	GRAPHIT	30638	Mat	Moyen
67	ROCA GRAPHIT	30639	Mat	Moyen

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No	Range	Reference	Appearance	Shade
68	PEARL	30641	Brillant	Moyen
69	PENTHOUSE RED	30820	Brillant	Moyen
70	SURABAYA	40250	Brillant	Moyen
71	CARAMEL JASPE	40256	Brillant	Moyen
72	TENDRE "S" BEIGE	40257	Brillant	Moyen
73	BLEU PACIFIC	40450	Brillant	Foncé
74	BERMUDA JASPE	40452	Brillant	Moyen
75	OPALINE BLEU	40454	Brillant	Clair
76	TENDRE "S" BLEU	40455	Brillant	Moyen
77	MANHATTAN JASPE	40652	Brillant	Moyen
78	TENDRE "S" GRIS	40653	Brillant	Moyen
79	OPALINE GRIS	40654	Brillant	Moyen
80	ROSE GARANCE	40850	Brillant	Moyen
81	AZALEE JASPE	40853	Brillant	Moyen
82	OPALINE ROSE	40856	Brillant	Moyen
83	TENDRE "S" ROSE	40857	Brillant	Moyen
84	MONTEROSA JASPE	40861	Brillant	Moyen
85	AMETHYSTE	40950	Brillant	Foncé
86	TENDRE "S" PARME	40952	Brillant	
87	EVORA	20194	Brillant	Clair
88	SILICA	20196	Mat	Clair
89	CAMEL	20282	Brillant	Moyen
90	SANDALWOOD	20284	Brillant	Moyen
92	BLEU CELESTE	20490	Brillant	Clair
93	AZUL TURQUESA	20492	Brillant	Clair
94	PERLEGRA	20695	Mat	Clair
95	HUID	20697	Brillant	Clair
96	ROSE IFO	20889	Brillant	Clair
97	ROSE LANGUEDOC	20895	Brillant	Clair
98	JAMAICA	22185	Mat	Clair
99	AMBRA	22194	Brillant	Clair

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No	Range	Reference	Appearance	Shade
100	RELET BEIGE	22196	Brillant	Clair
101	PECHE DOREE	22197	Brillant	Clair
102	BLANC HERMINE	22680	Mat	Clair
103	ANGORA	22685	Mat	Clair
104	GRIS ONDELLE	22686	Brillant	Clair
105	DOLOMITE BIANCO	22689	Brillant	Clair
106	SABLE	23181	Brillant	Clair
107	DUNE	23187	Brillant	Clair
108	LAUFEN BONE	23188	Brillant	Clair
109	ROCA CANARY	23189	Brillant	Clair
110	PERLEHVID	23192	Mat	Clair
111	FARNGREEN	30317	Brillant	
112	AQUAMARINA	30441	Mat	Moyen
113	SPHINX ZWART	30637	Brillant	Foncé
114	GRIS ASTRAL	30640	Brillant	Moyen
115	ZIBELINE	40260	Brillant	
116	PALLADIUM	40655	Brillant	Moyen
117	PECHE CELESTE	20290	Brillant	Clair
118	VERT D'EAU	20395	Brillant	Clair
119	SJOGRON	20398	Brillant	Clair
120	POLAR BLA	20488	Brillant	Clair
121	OYSTER	20694	Brillant	Clair
122	SAUMON	20289	Brillant	Clair
124	GRIS PALOMBE	22691	Brillant	Clair
125	GRIS ROSE	22692	Brillant	Clair
126	GLACIER	22693	Brillant	Clair
127	GALENE	111 22694	Mat	Clair
128	SAHARA GUL	23196	Brillant	Clair
130	TURQUOISE	20399	Brillant	Clair
131	CAPRI	20494	Brillant	Clair
133	PEACH	20899	Brillant	Clair
134	Whp. APRICOT	22199	Brillant	Clair
136	CANDLE	23197	Brillant	Clair
137	LILAC	30907	Brillant	Moyen
138	GALENE	22694	Brillant	Clair
139	PIERRE	23198	Brillant	Clair
140	CREME FENNEL	24181	Brillant	
141	WHITE WHITE	20081	Brillant	Clair
142	ROSSO	30854	Brillant	Moyen

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No	Range	Reference	Appearance	Shade
143	ROSSO SUSS	21881	Brillant	Clair
144	BIANCO AL.	22697	Brillant	
145	CORAIL	21882	Brillant	Clair
146	ROSA ORIEN.	21883	Brillant	Clair
147	AZZU. SU. TE.	20497	Brillant	Clair
148	OLD IS WHI	22699	Brillant	
153	AMETHYST	30909	Brillant	Foncé
154	CLEAR MAT	10001	Mat	
155	BEIGE LECICO	20288	Brillant	Clair
156	MANDARINE	20291	Brillant	Clair
157	CEYLAN	20292	Brillant	Clair
158	MOUNTAIN GREEN	20396	Brillant	Moyen
159	VERT CLAIR	20397	Brillant	Clair
160	BLEU RANGRES	20487	Brillant	Clair
161	BLEU MYOSOTIS	20489	Brillant	Clair
162	MIST GREY	20491	Brillant	Clair
164	AZZURO MALDIVE	20496	Brillant	Clair
165	BLEU PASTEL	20499	Brillant	Clair
166	ROSEE	20887	Brillant	Clair
167	PEACH ARMITAGE	20886	Brillant	Clair
168	ABRICOT	20890	Brillant	Clair
169	RASBERRY PUREE	20891	Brillant	Moyen
170	WILD ROSE	20892	Brillant	Moyen
171	ROSE UNI	20896	Brillant	Clair
172	FRISSON VERT CLAIR	21380	Brillant	Clair
173	JADE	21383	Brillant	Clair
174	PISTACHE	21384	Brillant	Clair
175	MEDICAL BLUE	21480	Brillant	Clair
176	CROCUS BRILLANT	21481	Brillant	Clair
177	ROSA ORIENTALE	21880	Brillant	Clair
178	PEBBLE	21884	Brillant	Clair
179	ROSE PASTEL	21885	Brillant	Clair
180	MAGNOLIA BRILLANT	21886	Brillant	Clair

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No	Range	Reference	Appearance	Shade
181	CLASSIC GREY	22681	Brillant	Clair
182	LAVANDE	22696	Brillant	Clair
183	GRIGIO SUSSURATO	22698	Brillant	Clair
184	AMERICAN BONE	23182	Brillant	Clair
185	ALMOND IVORY	23185	Brillant	Clair
186	LAUFEN BONE	23188	Brillant	Clair
187	BISQUE	23194	Brillant	Clair
188	SOFT BEIGE	23199	Brillant	Clair
189	SLATE	23680	Brillant	Clair
190	GREEN WHITE	23681	Brillant	Clair
191	ARMITAGE CREME	24182	Brillant	Clair
193	JAUNE	30143	Brillant	Clair
194	VERT FONCE	30353	Brillant	Moyen
195	VERT OXFORD	30358	Brillant	Moyen
196	BLUE MOON	30475	Brillant	Moyen
197	BLUE LAVANDE	30476	Brillant	Moyen
198	BLEU OCEAN	30493	Brillant	Moyen
199	AGATHE	30494	Brillant	Moyen
200	GRIS TYPHON	30644	Brillant	Moyen
201	GRIS MEXICO	30653	Brillant	Moyen
202	ROUGE	30856	Brillant	Moyen
204	CURACAO	21386	Brillant	Clair
205	AQUA	21385	Brillant	Clair
206	LACHS SATINE	21882	Brillant	Clair
207	WHITE 2	23683	Brillant	Clair
208	STERLING	23684	Brillant	Clair
209	WEISS CLASSIC	23685	Brillant	Clair
211	HERITAGE IVORY	24183	Brillant	Clair
212	MANGUE	24185		
213	VERT AUSTRAL	21387	Brillant	Clair
214	JAUNE AUSTRAL	24186		
215	JAUNE BEIGE	24189	Brillant	Clair
216	CHAMPAGNE 2	21488		
217	LUNE D'EAU	30654		
218	LILAS	30855		

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No	Range	Reference	Appearance	Shade
219	VERT OCEAN	40350	Brillant	Moyen
220	GRANIT	45604	Brillant	Clair
221	VERT BLEU	30360	Brillant	Moyen
222	ESCAMEE	24190	Brillant	Clair
223	CREME TOP	24191	Brillant	Clair
224	MELBA	24192	Brillant	Clair
225	POTIX BEIGE	24193	Brillant	Clair
226	BLEU AZUR	21482	Brillant	Clair
227	AIRPEACH	21887	Brillant	Clair
228	CORAL PINK	21888	Brillant	Clair
229	CHIFFON	21889	Brillant	Clair
230	BLEU MARINE	30496	Brillant	Foncé
231	TEUCO BLUE	30495	Brillant	Moyen
232	ROUGE MANDARINE	30858	Brillant	Foncé
250	POTIX BEIGE	24193	Brillant	Clair
251	SUNRISE	24194	Brillant	Clair
252	PASTEL IVORY	24195	Brillant	Clair
253	TOPAZE	24196	Brillant	Clair
254	ANISSETTE	21388	Brillant	Clair
255	SEEFOAM GREEN	21389	Brillant	Clair
256	IROISE	21483	Brillant	Clair
257	BLEU CIEL	21484	Brillant	Clair
258	VIOLINE	23688	Brillant	Clair
259	TENDER GREY	23689	Brillant	Clair
260	CHIFFON PINK	21889	Brillant	Clair
261	SONNONGELB	30144	Brillant	Clair
262	RAINFOREST GREEN	30361	Brillant	Moyen
263	ALPINE BLUE	30497	Brillant	Moyen
264	BLITZBLAU	30498	Brillant	Foncé
265	DEEPSEA BLUE	30499	Brillant	Foncé
266	FEUERROT	30859	Brillant	Moyen
267	CHINA RED	30860	Brillant	Moyen
268	RUBY RED	30861	Brillant	Moyen
269	JAUNE PALE	24199	Brillant	Clair
270	INNOCENT BLUSH	25101	Brillant	Clair
271	DESERT BLOOM	25102	Brillant	Clair
272	PERGAME	25103	Brillant	Clair
273	GRAVENA GREEN	21390	Brillant	Clair

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No	Range	Reference	Appearance	Shade
274	PALOMBE	23690	Brillant	Clair
275	ROSE PASTEL	21892	Brillant	Clair
276	CARNEOL	30221	Brillant	Moyen
277	BALI BRUIN	30222	Brillant	Moyen
278	GALAXY	20190	Mat	Clair
279	ALMOND	20191	Brillant	Clair
280	SUN-KING	20193	Brillant	Clair
281	ANEMONE	20195	Mat	Clair
282	CARAMEL	20283	Brillant	Moyen
283	PAMPAS	20285	Brillant	Clair
284	ROSE ROYAL	20286	Brillant	Clair
285	MOSS GREEN	20385	Brillant	Moyen
286	AVOCADO	20386	Brillant	Moyen
287	LINDEN	20387	Brillant	Moyen
288	WHISPER GREEN	20388	Brillant	Clair
289	EVERGREEN	20389	Brillant	Clair
290	PACIFIC	20390	Brillant	Moyen
291	SAUCE GREEN	20392	Brillant	Clair
292	SOFT MINT	20393	Brillant	Clair
293	CROCUS	20480	Mat	Clair
294	CORNFLOWER	20481	Brillant	Clair
295	BERMUDA	20482	Brillant	Moyen
296	SKY BLUE	20483	Brillant	Clair
297	WHISPER BLUE	20484	Brillant	Clair
298	BLEU COURREGES	20485	Brillant	Moyen
299	JURA	20680	Brillant	Clair
300	STELLA	20681	Mat	Clair
301	MONT BLANC	20682	Mat	Clair
302	C-WHITE	112-23693	Brillant	Clair