

TESI CLEAN is the evolution of the historic IRSAP Tesi product. Thanks to its special structure featuring single, spaced elements, TESI CLEAN can be used in special environments such as nursing homes, schools and hospitals where the radiators must be kept particularly clean. The main features of this product is the 65 mm distance between one element and another, the absence of corners and sharp edges, the possibility of connection to various types of water connections. TESI CLEAN is available in any number of columns (from 2 to 6 columns) and any height (from 200 mm to 2500 mm). Thanks to its special structure with round tubes (25 mm diameter) it is also ideal for low temperature systems. The heat yields of TESI CLEAN have been measured pursuant to EN 442 technical standards.



Tesi Clean, 8 elements, Hight 2000 mm, Quartz 2

Construction features

25 mm diameter sheet steel tubes

pressed sheet steel manifolds

65 mm long elements (element pitch)

1 1/4" G right and left threading at the end of the upper and lower manifolds

maximum working pressure 10 bar

maximum working temperature 95°C

Certifications



Plus



Technical data

Model	Deph (mm)	Height (mm)	Conn. C. (mm)	Weigth (kg)	Capacity (lt)	$\Delta t=50^{\circ}\text{C}$ (btu/h)	$\Delta t=50^{\circ}\text{C}$ (kcal/h)	$\Delta t=50^{\circ}\text{C}$ (Watt)	$\Delta t=40^{\circ}\text{C}$ (Watt)	$\Delta t=30^{\circ}\text{C}$ (Watt)	$\Delta t=20^{\circ}\text{C}$ (Watt)	Exponent
TESI 2 CLEAN 300	65,0	302	235	0,58	0,53	94,2	23,7	27,6	20,8	14,5	8,7	1,263
TESI 3 CLEAN 300	101,0	302	235	0,73	0,71	124,9	31,5	36,6	27,6	19,2	11,6	1,258
TESI 4 CLEAN 300	139,0	302	235	0,96	0,89	157,0	39,6	46,0	34,6	24,0	14,3	1,273
TESI 5 CLEAN 300	177,0	302	235	1,26	0,95	193,5	48,8	56,7	42,7	29,6	17,6	1,275
TESI 6 CLEAN 300	215,0	302	235	1,48	1,13	229,6	57,9	67,3	50,7	35,2	21,1	1,268
TESI 2 CLEAN 350	65,0	352	285	0,64	0,57	108,5	27,4	31,8	24,0	16,7	10,0	1,265
TESI 3 CLEAN 350	101,0	352	285	0,82	0,77	144,7	36,5	42,4	32,0	22,2	13,3	1,262
TESI 4 CLEAN 350	139,0	352	285	1,07	0,97	181,5	45,8	53,2	40,0	27,7	16,5	1,278
TESI 5 CLEAN 350	177,0	352	285	1,41	1,06	223,5	56,3	65,5	49,2	34,1	20,3	1,278
TESI 6 CLEAN 350	215,0	352	285	1,66	1,26	265,1	66,8	77,7	58,5	40,6	24,3	1,270
TESI 2 CLEAN 365	65,0	367	300	0,66	0,58	112,9	28,5	33,1	25,0	17,3	10,4	1,265
TESI 3 CLEAN 365	101,0	367	300	0,85	0,79	150,5	37,9	44,1	33,3	23,1	13,9	1,264
TESI 4 CLEAN 365	139,0	367	300	1,11	1,00	189,0	47,6	55,4	41,6	28,8	17,2	1,279
TESI 5 CLEAN 365	177,0	367	300	1,45	1,09	232,7	58,6	68,2	51,3	35,5	21,1	1,279
TESI 6 CLEAN 365	215,0	367	300	1,71	1,29	276,0	69,6	80,9	60,9	42,3	25,2	1,271
TESI 2 CLEAN 400	65,0	402	335	0,70	0,61	122,8	31,0	36,0	27,1	18,9	11,3	1,267

TESI 3 CLEAN 400	101,0	402	335	0,91	0,83	164,5	41,5	48,2	36,3	25,2	15,1	1,266
TESI 4 CLEAN 400	139,0	402	335	1,19	1,06	206,1	51,9	60,4	45,4	31,4	18,7	1,282
TESI 5 CLEAN 400	177,0	402	335	1,55	1,16	253,5	63,9	74,3	55,8	38,6	23,0	1,281
TESI 6 CLEAN 400	215,0	402	335	1,84	1,38	300,6	75,8	88,1	66,3	46,0	27,4	1,273
TESI 2 CLEAN 450	65,0	452	385	0,76	0,65	137,2	34,6	40,2	30,3	21,0	12,6	1,269
TESI 3 CLEAN 450	101,0	452	385	1,00	0,90	183,9	46,4	53,9	40,6	28,2	16,8	1,270
TESI 4 CLEAN 450	139,0	452	385	1,31	1,14	230,7	58,1	67,6	50,7	35,1	20,8	1,286
TESI 5 CLEAN 450	177,0	452	385	1,70	1,27	283,2	71,4	83,0	62,3	43,1	25,6	1,284
TESI 6 CLEAN 450	215,0	452	385	2,01	1,50	336,1	84,7	98,5	74,1	51,4	30,6	1,275
TESI 2 CLEAN 500	65,0	502	435	0,82	0,69	151,2	38,1	44,3	33,4	23,1	13,8	1,271
TESI 3 CLEAN 500	101,0	502	435	1,09	0,96	203,0	51,2	59,5	44,8	31,0	18,5	1,274
TESI 4 CLEAN 500	139,0	502	435	1,43	1,22	254,9	64,2	74,7	56,0	38,7	22,9	1,290
TESI 5 CLEAN 500	177,0	502	435	1,85	1,37	312,9	78,9	91,7	68,8	47,5	28,2	1,287
TESI 6 CLEAN 500	215,0	502	435	2,19	1,63	370,9	93,5	108,7	81,8	56,6	33,7	1,277
TESI 2 CLEAN 550	65,0	552	485	0,88	0,74	165,1	41,6	48,4	36,4	25,3	15,1	1,273
TESI 3 CLEAN 550	101,0	552	485	1,18	1,02	222,5	56,1	65,2	49,0	33,9	20,2	1,278
TESI 4 CLEAN 550	139,0	552	485	1,55	1,30	279,1	70,3	81,8	61,3	42,2	25,0	1,294
TESI 5 CLEAN 550	177,0	552	485	2,00	1,47	342,2	86,3	100,3	75,2	51,9	30,8	1,290
TESI 6 CLEAN 550	215,0	552	485	2,37	1,75	405,7	102,2	118,9	89,4	61,9	36,8	1,279
TESI 2 CLEAN 600	65,0	602	535	0,94	0,78	179,1	45,1	52,5	39,5	27,4	16,3	1,275
TESI 3 CLEAN 600	101,0	602	535	1,26	1,08	241,6	60,9	70,8	53,2	36,8	21,9	1,282
TESI 4 CLEAN 600	139,0	602	535	1,67	1,39	303,0	76,4	88,8	66,5	45,8	27,0	1,298

TESI 5 CLEAN 600	177,0	602	535	2,15	1,58	371,2	93,6	108,8	81,5	56,2	33,3	1,293
TESI 6 CLEAN 600	215,0	602	535	2,55	1,88	440,1	110,9	129,0	96,9	67,0	39,9	1,282
TESI 2 CLEAN 650	65,0	652	585	1,00	0,82	193,1	48,7	56,6	42,6	29,5	17,6	1,277
TESI 3 CLEAN 650	101,0	652	585	1,35	1,15	260,7	65,7	76,4	57,3	39,6	23,5	1,286
TESI 4 CLEAN 650	139,0	652	585	1,78	1,47	326,9	82,4	95,8	71,7	49,3	29,1	1,302
TESI 5 CLEAN 650	177,0	652	585	2,29	1,68	400,2	100,9	117,3	87,8	60,5	35,8	1,296
TESI 6 CLEAN 650	215,0	652	585	2,72	2,00	474,3	119,5	139,0	104,4	72,1	42,9	1,284
TESI 2 CLEAN 750	65,0	752	685	1,12	0,90	220,8	55,6	64,7	48,6	33,6	20,0	1,281
TESI 3 CLEAN 750	101,0	752	685	1,53	1,27	298,6	75,2	87,5	65,5	45,2	26,7	1,294
TESI 4 CLEAN 750	139,0	752	685	2,02	1,64	374,3	94,3	109,7	81,9	56,2	33,0	1,310
TESI 5 CLEAN 750	177,0	752	685	2,59	1,89	457,5	115,3	134,1	100,3	69,0	40,7	1,301
TESI 6 CLEAN 750	215,0	752	685	3,08	2,25	542,5	136,7	159,0	119,3	82,3	48,8	1,288
TESI 2 CLEAN 900	65,0	902	835	1,29	1,03	262,0	66,0	76,8	57,6	39,8	23,6	1,286
TESI 3 CLEAN 900	101,0	902	835	1,80	1,46	354,8	89,4	104,0	77,7	53,4	31,4	1,306
TESI 4 CLEAN 900	139,0	902	835	2,38	1,89	444,9	112,1	130,4	97,1	66,4	38,8	1,322
TESI 5 CLEAN 900	177,0	902	835	3,03	2,20	542,8	136,8	159,1	118,8	81,5	47,9	1,310
TESI 6 CLEAN 900	215,0	902	835	3,61	2,63	643,2	162,1	188,5	141,2	97,3	57,5	1,295
TESI 2 CLEAN 1000	65,0	1002	935	1,50	1,10	289,7	73,0	84,9	63,7	43,9	26,0	1,290
TESI 3 CLEAN 1000	101,0	1002	935	2,11	1,56	392,0	98,8	114,9	85,7	58,7	34,5	1,315
TESI 4 CLEAN 1000	139,0	1002	935	2,79	2,03	491,3	123,8	144,0	107,0	73,0	42,6	1,330
TESI 5 CLEAN 1000	177,0	1002	935	3,56	2,38	599,1	151,0	175,6	130,9	89,7	52,6	1,316
TESI 6 CLEAN 1000	215,0	1002	935	4,24	2,84	709,7	178,9	208,0	155,6	107,1	63,2	1,300

TESI 2 CLEAN 1200	65,0	1202	1135	1,76	1,26	344,3	86,8	100,9	75,6	52,1	30,8	1,296
TESI 3 CLEAN 1200	101,0	1202	1135	2,50	1,81	466,1	117,5	136,6	101,8	69,8	40,9	1,316
TESI 4 CLEAN 1200	139,0	1202	1135	3,31	2,36	583,5	147,1	171,0	127,2	86,8	50,7	1,327
TESI 5 CLEAN 1200	177,0	1202	1135	4,20	2,79	710,0	179,0	208,1	155,2	106,3	62,4	1,315
TESI 6 CLEAN 1200	215,0	1202	1135	5,02	3,33	841,1	212,0	246,5	184,4	126,8	74,8	1,301
TESI 2 CLEAN 1500	65,0	1502	1435	2,15	1,51	426,8	107,6	125,1	93,5	64,3	37,9	1,303
TESI 3 CLEAN 1500	101,0	1502	1435	3,08	2,18	575,9	145,2	168,8	125,8	86,1	50,5	1,318
TESI 4 CLEAN 1500	139,0	1502	1435	4,09	2,85	719,6	181,4	210,9	157,0	107,3	62,7	1,324
TESI 5 CLEAN 1500	177,0	1502	1435	5,18	3,40	873,8	220,2	256,1	191,0	130,8	76,8	1,315
TESI 6 CLEAN 1500	215,0	1502	1435	6,18	4,07	1.034,9	260,8	303,3	226,8	155,9	92,0	1,302
TESI 2 CLEAN 1800	65,0	1802	1735	2,54	1,75	509,8	128,5	149,4	111,5	76,5	45,0	1,311
TESI 3 CLEAN 1800	101,0	1802	1735	3,67	2,54	684,1	172,4	200,5	149,4	102,2	59,9	1,319
TESI 4 CLEAN 1800	139,0	1802	1735	4,87	3,34	853,3	215,1	250,1	186,3	127,4	74,6	1,320
TESI 5 CLEAN 1800	177,0	1802	1735	6,15	4,01	1.034,2	260,7	303,1	226,1	154,9	90,9	1,314
TESI 6 CLEAN 1800	215,0	1802	1735	7,35	4,80	1.224,6	308,6	358,9	268,3	184,4	108,7	1,304
TESI 2 CLEAN 2000	65,0	2002	1935	2,80	1,92	565,4	142,5	165,7	123,8	85,0	50,1	1,306
TESI 3 CLEAN 2000	101,0	2002	1935	4,05	2,79	755,4	190,4	221,4	165,0	112,9	66,1	1,319
TESI 4 CLEAN 2000	139,0	2002	1935	5,39	3,66	941,0	237,2	275,8	205,5	140,6	82,3	1,320
TESI 5 CLEAN 2000	177,0	2002	1935	6,80	4,42	1.139,6	287,2	334,0	249,1	170,6	100,1	1,315
TESI 6 CLEAN 2000	215,0	2002	1935	8,13	5,29	1.349,1	340,0	395,4	295,1	202,3	118,9	1,312
TESI 2 CLEAN 2200	65,0	2202	2135	3,06	2,08	621,0	156,5	182,0	136,1	93,6	55,2	1,302
TESI 3 CLEAN 2200	101,0	2202	2135	4,44	3,03	826,4	208,3	242,2	180,5	123,5	72,4	1,318

TESI 4 CLEAN 2200	139,0	2202	2135	5,90	3,99	1.028,0	259,1	301,3	224,5	153,6	90,0	1,319
TESI 5 CLEAN 2200	177,0	2202	2135	7,44	4,83	1.243,7	313,5	364,5	271,7	186,1	109,1	1,317
TESI 6 CLEAN 2200	215,0	2202	2135	8,90	5,78	1.472,3	371,1	431,5	321,4	219,9	128,8	1,320
TESI 2 CLEAN 2500	65,0	2502	2435	3,45	2,32	705,6	177,8	206,8	154,9	106,8	63,1	1,295
TESI 3 CLEAN 2500	101,0	2502	2435	5,03	3,40	931,8	234,9	273,1	203,6	139,4	81,8	1,316
TESI 4 CLEAN 2500	139,0	2502	2435	6,68	4,48	1.157,0	291,6	339,1	252,7	172,9	101,3	1,319
TESI 5 CLEAN 2500	177,0	2502	2435	8,42	5,44	1.397,6	352,3	409,6	305,2	208,9	122,4	1,318
TESI 6 CLEAN 2500	215,0	2502	2435	10,07	6,52	1.654,5	417,0	484,9	360,2	245,6	143,1	1,332

Thanks to the high performance of Irsap TESI CLEAN radiators, the ideal Δt for low temperature projects is Δt at 30°C.

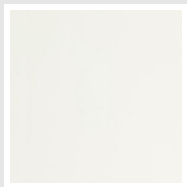
For Δt different from 50°C use the formula: $Q=Q_n (\Delta t / 50)^n$

Data Set																				
Length (mm) sub>	NÂ° Elements		302	352	367	402	452	502	552	602	652	752	902	1002	1202	1502	1802	2002	2202	2502
130	2	Watt = W 92 =	131	136	149	80	119	130	258	192	219	318	351	416	512	299	443	484	546	
195	3	Watt = W 138 =	196	205	223	121	178	196	387	287	329	477	527	624	768	448	664	727	819	
260	4	Watt = W 184 =	262	273	297	161	238	261	516	383	439	636	702	832	500	598	886	969	1092	
325	5	Watt = W 284 =	328	341	372	201	298	326	645	479	548	796	878	1040	626	747	1107	1211	1366	
390	6	Watt = W 340 =	393	409	446	241	357	391	774	575	658	955	1054	1249	751	896	1328	1453	1639	
455	7	Watt = W 397 =	458	477	520	281	416	456	622	671	768	1114	1229	1457	876	1404	1550	1695	1912	
520	8	Watt = W 454 =	524	546	594	322	476	522	710	766	878	1273	1405	1665	1001	1604	1771	1938	2185	
585	9	Watt = W 510 =	590	614	669	362	536	587	799	862	987	1432	1580	1873	1126	1804	1993	2180	2458	
650	10	Watt = W 567 =	655	682	743	402	595	652	888	958	1097	1591	1756	2081	1251	2005	2214	2422	2731	
715	11	Watt = W 624 =	720	750	817	442	654	717	977	1054	1207	1750	1932	2289	1376	2206	2435	2664	3004	
780	12	Watt = W 680 =	786	818	892	482	714	782	1066	1150	1316	1909	2107	2497	1501	2406	2657	2906	3277	
845	13	Watt = W 737 =	852	887	966	523	774	848	1154	1245	1426	2068	2283	2705	1626	2606	2878	3149	3550	
910	14	Watt = W 794 =	917	955	1040	563	833	913	1243	1341	1536	2227	2458	2913	1751	2807	3100	3391	3823	
975	15	Watt = W 850 =	982	1023	1114	603	892	978	1332	1437	1646	2386	2634	3122	1876	3008	3321	3633	4096	
1040	16	Watt = W 907 =	1048	1091	1189	643	952	1043	1421	1533	1755	2546	2810	3330	2002	3208	3542	2912	3309	
1105	17	Watt = W 964 =	1114	1159	1263	683	1012	1108	1510	1629	1865	2705	2985	3538	2127	3408	3764	3094	3516	

Length (mm) sub>	NÂ° Elements		302	352	367	402	452	502	552	602	652	752	902	1002	1202	1502	1802	2002	2202	2502
1170	18	Watt = W =	1021	1179	1228	648	724	1071	1174	1598	1724	2414	2864	3161	3746	2252	3609	3985	3276	3722
1235	19	Watt = W =	1077	1244	1296	684	1024	1130	1239	1687	1820	2548	3023	3336	3954	2377	3810	4207		
1300	20	Watt = W =	1134	1310	1364	720	1078	1190	1304	1776	1916	2682	3182	3512	4162	2502	4010	4428		
1365	21	Watt = W =	1191	1376	1432	756	1132	1250	1369	1865	2012	2816	3341	3688	4370	2627	3137	3480		
1430	22	Watt = W =	1247	1441	1500	792	1186	1309	1434	1954	2108	2950	3500	3863	4578	2752	3287	3645		
1495	23	Watt = W =	1304	1506	1569	828	1240	1368	1500	2042	2203	3084	3659	4039	4786	2877				
1560	24	Watt = W =	1361	1572	1637	864	1294	1428	1565	2131	2299	3218	3818	4214	4994	3002				
1625	25	Watt = W =	1418	1638	1705	900	1348	1488	2972	2220	2395	3352	3978	4390	5202	3128				
1690	26	Watt = W =	1474	1703	1773	936	1401	1547	3091	2309	2491	3487	4137	4566	5411	3253				
1755	27	Watt = W =	1531	1768	1841	972	1455	1606	3210	2398	2587	3621	4296	4741	5619					
1820	28	Watt = W =	1588	1834	1910	1008	1509	1666	3329	2486	2682	3755	4455	4917	5827					

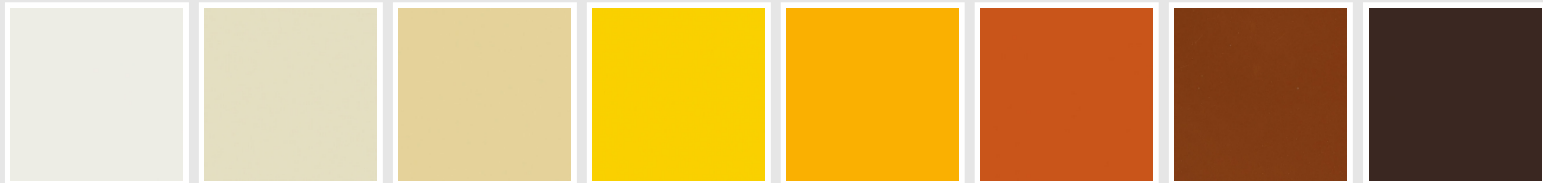
Colors and Finishes

STANDARD



Standard White
Cod. 01

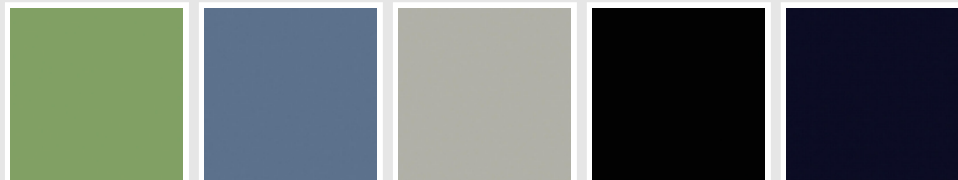
CLASSIC



Edelweiss White Cod. 34	Ivory - RAL 1013 Cod. 02	Beige Cream Cod. 26	Yellow - RAL 1021 Cod. 04	Melon Yellow - RAL 1028 Cod. E7	Orange - RAL 2004 Cod. 17	Brown Rust - RAL 8004 Cod. E1	Brown - RAL 8017 Cod. 09
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Claret - RAL 3003 Cod. 06	Red - RAL 3000 Cod. 05	Strawberry Red - RAL 3018 Cod. Y3	Pink - RAL 3015 Cod. R2	Bluish Lilac - RAL 4005 Cod. R3	Purple Traffic - RAL 4006 Cod. R6	Woodland Green - RAL 6005 Cod. 19	Green Grass - RAL 6018 Cod. N3
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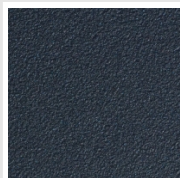


Sage Green - RAL 6021 Cod. E6	Pastel Blue - RAL 5024 Cod. G7	Manhattan Grey Cod. 03	Black - RAL 9005 Cod. 10	Deep Blue Cod. 2F
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SPECIAL



Pearl White Cod. 16	Quartz 1 Cod. 1C	Sablé Cod. Y4	Quartz 2 Cod. 2C	Sunstone Cod. 2D	Tobacco Brown Cod. 1B	Flame Red Cod. 7D	Purple Blue Cod. 1D
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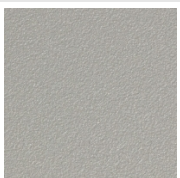
Azurite 3
Cod. 6C



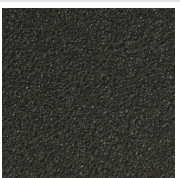
Medium Grey
Cod. 4D



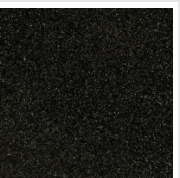
**Titanium Grey
Metallic - RAL 9023**
Cod. L3



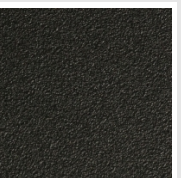
Pearl Grey
Cod. L6



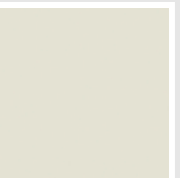
Graphite Black
Cod. 18



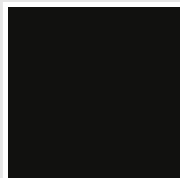
Quartz Grey
Cod. 31



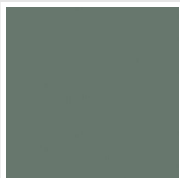
Satin Black
Cod. 30



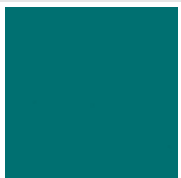
Matt White
Cod. J8



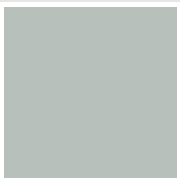
Matt Black
Cod. K1



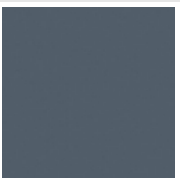
Agave
Cod. 9N



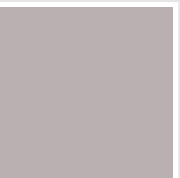
North Sea Blue
Cod. 1P



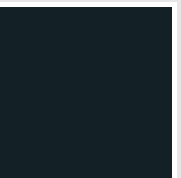
Ice
Cod. 3P



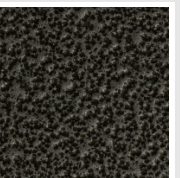
**Matt Blue Dove -
RAL 5014**
Cod. 4P



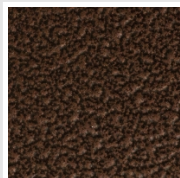
Matt Light Grey
Cod. 8N



Ash Grey - Ral 7021
Cod. G1

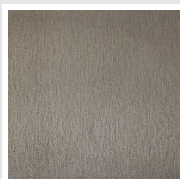


**Hammered Grey
Metallic**
Cod. 32



Hammered Copper
Cod. J4

FINISHES



Loft Finishing
Cod. TR

RAL



Other RAL Colours (following feasibility study)
Cod. ALTRIRAL

The Colors used in this folder are not considered binding. The different technological painting processes and the materials used for the realization can not have a perfect color match with the delivered product. Irsap company reserves the right to introduce at any time whatever modifications necessary to the improvement of the product.