

**selac®**

**Codice**

**Y57BHKI ANTARCTIC SUMMER RAG BD T DG J 20.20**

**HOMOLOGATED POLYESTER**

**λ Description**

Thermosetting powder coating with textured metallic finish , based on saturated carboxylated polyester resins , suitable crosslinker , inert fillers and pigments without heavy metals .

**λ Specific uses**

The product is particularly suitable for the coating of goods exposed outdoor , for which excellent weather resistance to ageing without yellowing or chalking is required .

**λ Surface preparation**

Related to the support to be coated we strongly recommend a correct preparation based on blasting , zinc or iron salt phosphatation , but at least an accurate degreasing . Anticorrosive properties , adhesion and time duration are greatly influenced by the pre-treatment

**λ Application**

Application is possible with manual or automatic electrostatic guns , working with corona ( minimum voltage 40KV ) or triboelectric charging system . The bonding process allows a more stable colour even using recycled powder . In case of triboelectric application the fiish could anyway result a little less metallic . Codes having "D" in fourth position are suitable for application by electrostatic disc .

**λ Curing conditions**

Curing time depends not only on the product reactivity , but also on the oven efficiency and on the mass of the parts to be coated . Suggested curing conditions are :

Time ( minutes )	Temperature ( °C )
10 - 20	180
8 - 16	190
7 - 13	200

Curing in the minimal conditions is possible but could not allow to obtain the complete properties mentioned in the section aside . Times and temperatures always refer to the object .

**λ Technical features**

Specific gravity	[kg/l]	1,55	1,61
Brilliance ( ISO 2813 )	[60° Gloss units ]	VIS	VIS
Thickness	[µm]	70	90
Theoretic yield	[m <sup>2</sup> /kg]	6,9	9,2

**λ Mechanical properties**

Bending on cylindrical mandrel ( ISO 1519 )	[mm]	5	6
Erichsen embossing ( ISO 1520 )	[mm]	7	9
Direct impact ( ISO 6272 )	[Nm]	> / =	2,5
Cross-hatch adhesion ( ISO 2409 )		0	1
Wolf-Wilborn pencil hardness ( ASTM D 3363 )		H	2H
Buchholz hardness ( ISO 2815 )		> / =	85

Mentioned values are obtained on UNI 5961 panels , 0,5 mm thick , previously degreased with perchloroethylene . Film thickness 80 micron approximately .

**λ Corrosion and weathering tests**

Salt spray test ( ISO 3768 - ASTM B117 )	1000 hours
Kesternich test ( ISO 3231 )	30 cycles
Humidity chamber test ( ISO 6270 )	1000 hours
UV-CON ( ASTM G 53-88 ) 50% residual retention	after 300 hours

Mentioned values are obtained on UNI 5961 panels , 0,5 mm thick , with microcrystalline zinc salts phosphatation or on chromated AA 5005-H24 aluminium . Film thickness 80 micron approximately .

**λ Homologations**

QUALICOAT LICENCE P - 0590

**λ Storage stability**

This product , if kept in sealed boxes stored in a dry place at a temperature not exceeding 30° C is stable and guaranteed for 36 months after the production date .

**λ Safety informations**

Powder coatings are considered combustibles but not inflammable . The ignition temperature of the mixture powder / air is in the range between 450 and 600 °C . For further safety informations please refer to specific Safety Data Sheet compliant with Regulation CE 1272 / 2008 ( CLP )

Date of issue  
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**Remarks : the above mentioned informations come from our experience , as well as that of specialized laboratories , and they are constantly updated ; anyway the user undertakes full responsibility about application and testing of the products according to his requirements . This data sheet is given in order to inform about the main characteristics of the product , but it is not a warranty .**