



Resistance list PoluAl XT

Blygold PoluAl XT resistance to various agents and particles has been tested in lab conditions. The issue of a warranty to a heat exchanger by the Blygold PoluAl XT corrosion protection system will be subject to the exposure conditions simulated in this test. Values are based on average concentrations.

Attention!! Resistance is expressed in terms of vapours, not fluids.

Resistance is based on exposure temperature of 20°C or 68°F.

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Inorganic acids	max concentration in ppm
Arsenic acid	641
Boric acid	641
Hydrogen carbonate	641
Chromic acid	641
Bromic acid	320
Hydrochloric acid	320
Hydrogen fluoride	320
Hydrogen sulphide	320
Nitric acid	320
Sulphuric acid	320
Phosphoric acid	320
Perchloric acid	320
Selenic acid	320
sulfonic acid	641

Organic acids	max concentration in ppm
Acetic acid	320
Benzoic acid	320
Lactic acid	320
Phenols	320
Citric acid	320
Fatty acids	320
Formic acid	80
Hydrocyanic acid	320
Malic acid	320
Margaric acid	320
Picric acid	320
Oleic acid	320
Oxalic acid	320
Sulphamic acid	320
Wine stone acid	320
Barn stone acid	320
Palmitic acid	320
Tannin	320
Phthalic acid	320
Propionic acid	80
Salicylic acid	320
Stearic acid	320
Valeric acid	320

Alkalines	max concentration in ppm
Ammonia	160
Caustic soda	80
Sodiumhydroxyde	20
Caustic potassium	80
Potassium hydroxyde solution	20
Lithium hydroxyde	20
Calciumhydroxyde	20
Magnesium hydroxyde	20

Ethers	max concentration in ppm
Diethylether	20
Acetic ether	20

Aromatic hydrocarbons	max concentration in ppm
Xylene	640
Toluene	640
Asphalt	640
Anthracene	640
Benzapherene	640
Benzene	640
Solventnaphta	640
Naphtalene	640
Terpenes	640

Aliphatic hydrocarbons	max concentration in ppm
White spirit	640
White spirit	640
Shellsol TD	640
Bitumen	640
Isopar G	640
Paraffine	640
Paraffineoil	640

Alcohols	max concentration in ppm
Methanol	320
Ethanol	320
Isopropanol	320
n-Butanol	320
Amyl alcohol	320
Benzyl alcohol	320
Diaceton alcohol DAA	320
Glycerine	320
n-Propanol	320
Pentanol	320

Fuels and Oils	max concentration in ppm
Diesel	640
Fuel oil	640
Petrol	640
Superpetrol	640
Kerosene	640
Sferic oils	640
LPG	640
Mineral Oils	640
Breakliquide	640
Skydrol	640
Animal oils	640
Ethric oils	640
Vegetable oils	640
Butagas	640
Acetylene	640

Esters	max concentration in ppm
Ethylacetate	160
Amylacetate	160
Propylacetate	160
Ethyl oxalate	160
Butylacetate	160
Butylpropionate	160
Ethylformiate	160
Ethylbenzoate	160

Ketones and Aldehydes	max concentration in ppm
Acetone	320
Acetaldehyde	320
Benzaldehyde	320
Formaldehyde	320
Salicylaldehyde	320
Diisobutylketone	320
Methylisobutylketone	320
Methylethylketone	320
Butanal	320
Crotonaldehyde	320

Halogenated Hydrocarbons	max concentration in ppm
1.1.1. Trichloorethane	20
Methylenchloride	20
Methylbromide	20
Tetrachloormethane	20
Dichloorethene	20
Trichloorethylene	20
Perchloorethylene	20
Tetraiodicmethane	20
PCB	20

Salts and watersolutions	max concentration in ppm
Sodiumsalts	640
Potassiumsalts	640
Calciumsalts	640
Aluminiumsalts	640
Ammoniumsalts	640
Bariumsalts	640
Coppersalts	640
Leadsalts	640
Lithiumsalts	640
Magnesiumsalts	640
Mercurysalts	640
Lithopone	640
Hydroquinone	640
Ironsalts	640

Others	max concentration in ppm
Carbondisulphide	160
Hydrogenperoxyde	320
hydrogensulphide	20
Chlorine	64