

Calcium Polysulfide Compatibility with Materials of Construction

For metals:

E < 2 Mils Penetration/Year
 G < 20 Mils Penetration/Year
 S < 50 Mils Penetration/Year
 G > 50 Mils Penetration/Year

For non-metals:

R = Resistant
 U = Unsatisfactory

Metals	Corrosion Rating	Temperature Range (F)
Aluminum	U	< 70
Aluminum Bronze	U	< 70
Brass	U	< 70
Bronze	S	< 90
Carbon Steel	S	< 70
Copper	S	< 90
Monel	G	< 90
Naval Bronze	U	< 70
Stainless Steel 304/347	G	< 90
Stainless Steel 316	G	< 300
Stainless Steel 400	G	< 70
Stilicon Bronze	U	< 70
Silicon Copper	S	< 70

Plastics	Corrosion Rating	Temperature Range (F)
ABS	R	< 140
CPVC	R	< 90
E-CTFE (Halar)	R	< 150
Fluorinated Ethylene Propylene (FEP)	R	< 400
Polyethylene HMW	R	< 140
Polyethylene UHMW	R	< 80
Polypropylene (PP)	R	< 220
Polyvinylidene Chloride	R	< 80
PVC Type 1	R	< 140
PVC Type 2	R	< 140
PVDF (Kynar)	R	< 200
TFE (Teflon)	R	< 460

Elastomers and Linings	Corrosion Rating	Temperature Range (F)
Chemraz (FPM)	R	< 400
Hypalon (Chloro-Sufonyl-Polyethylene)	R	< 180
Ethylene-Propylene-Diene (EPDM)	R	< 300
Ethylene-Propylene-Tetrapolymer (EPT)	R	< 210
Viton A (FKM)	R	< 400
Isoprene (IR)	U	< 70
Kalraz (FPM)	R	< 210
Natural Rubber (GRS)	U	< 70
Neoprene GR-M (CR)	R	< 190
Nitrile Buna-N (NBR)	U	< 70
Nordel (EPDM)	R	< 300
Silicone Rubbers	R	< 400