Which Lining Material is Suitable for my Application?

The information contained in the following chart is useful in many cases. However, due to the unpredictable nature of wear caused by abrasion, impact, corrosion and temperature, we sometimes have no strong recommendation or may recommend more than one lining material.

In general though, the range of available materials and our past experience enables the Abresist Corporation to assist you in choosing the best solution taking into account cost, service life, possible product contamination, connection difficulties, ease of installation, etc.

Which Lining Material For Which System Component?

No two abrasion problems are identical. The question of which lining material is most suitable and most economical for a particular application can only be answered when all parameters of the abrasion problem are known.

System Component	Operating Temperature	Abresist®	Alresist®	Kalcor®	Kalcret™
Separators	Up to 350° C	X	X	X	X
	Above 350° C		X	X	X
Bunkers/Silos	Up to 350° C	X	X	X	X
	Above 350° C	X	X	X	
Chain Conveyors	Up to 350° C	X	X	X	X
	Above 350° C	X	X	X	
Mixers		X	X		
Pulpers		X			
Chutes/Troughs	Up to 350° C	X	X	X	X
	Above 350° C		X	X	X
Pipes/Fittings	Up to 350° C	X	X	X	X
	Above 350° C		X	X	X
Screw Troughs	Up to 350° C	X	X	X	X
	Above 350° C		X	X	X
Cyclones	Up to 350° C	X	X	X	X
	Above 350° C		X	X	X
Fan Housings	Up to 350° C		X	X	
	Above 350° C		X	X	
Fan Blades	Up to 115° C		Kalbond		
Influencing Factors of Friction-Induced Abrasion					
Grain Size	Grain Distribution	Moisture Content	Grain Shape	Velocity	Flow Rate
Grain Hardness	Angle of Impact	Chemical Composition	Grain Sharpness	Fall Height	

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