

Durablanket® LT and LT Z

Enhanced handling, durability and thermal efficiency



Save on material, save on energy.
Your choice.



*greener
cleaner
safer*
specialty products that
save energy, reduce pollution and improve fire safety

Our biggest breakthrough in alumino-silicate insulation in years

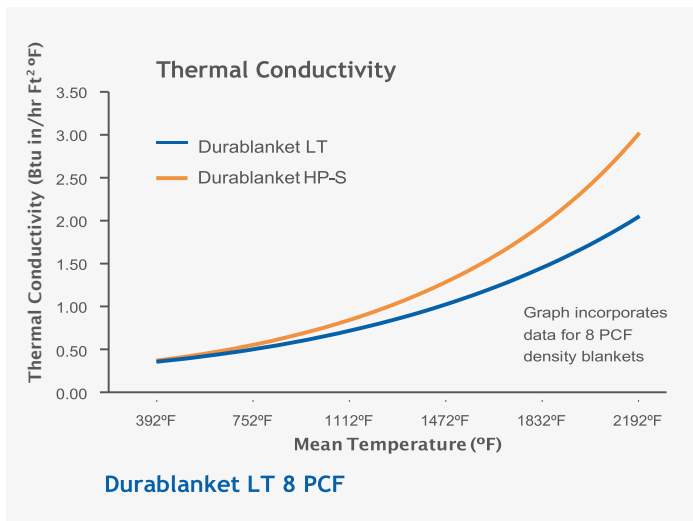
Since the 1960's, Fiberfrax® Durablanket® insulation products have been known and trusted for their performance, versatility and handling in a broad spectrum of industries. Environments where high temperature applications place extraordinary demands on insulating components.

Now, using advances in manufacturing techniques learned from our market leading Insulfrax® range, we're introducing a new Durablanket. Using an innovative, proprietary process technology, Durablanket LT and LT Z is a breakthrough RCF product that delivers outstanding thermal performance relative to current offerings.

Durablanket LT and LT Z, with less shot and more fiber pound for pound, offers improved handling for safer, quicker and easier installation, as well as increased durability and tensile strength that allows it to perform for longer, even in the most extreme conditions.

As a result, it is ideally suited to a wide range of applications, including:

- Billet slab/reheat furnaces
- Furnace door linings and seals
- Boiler insulations
- Pipe and duct insulation
- Chemical process heaters
- High temperature seals and gaskets

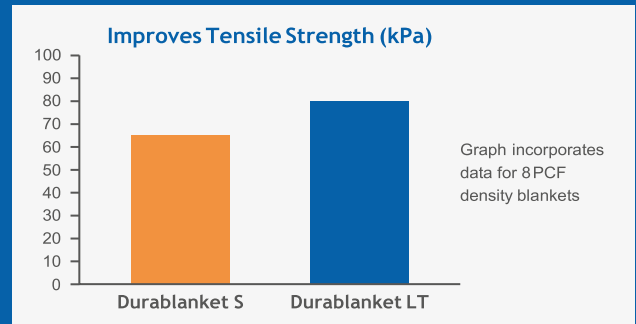


Strength that's easier to handle

Unifrax's proprietary manufacturing process used to produce Durablanket LT and Durablanket LT Z results in a blanket with a higher index of interlocking fibers and a reduced shot content that makes it easier to form and handle while providing class-leading tensile strength.

This high tensile strength – 80 kPa for Durablanket LT – means Durablanket is harder to pull apart, making it more robust during installation, and much more resistant to stress due the expansion of casings and components under extreme heat.

Improves Tensile Strength

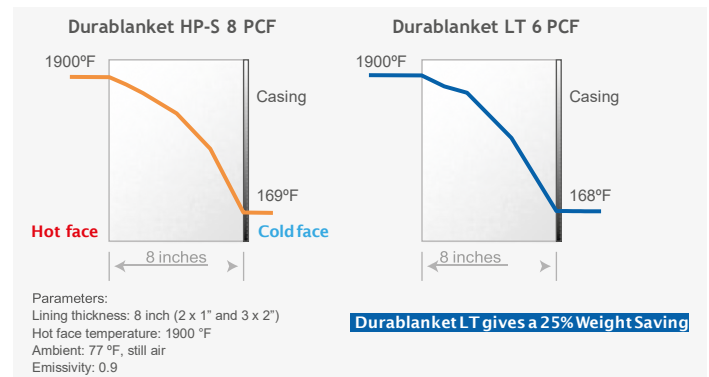


The best ever Durablanket thermal performance

The superior insulation properties, 20% lower thermal conductivity, of Durablanket LT and LT Z combined with its extreme durability allow use in high temperature environments up to 2450 °F.

This means it not only helps save energy in applications such as ferrous or non-ferrous metals and the power industry. It reduces weight and creates space in furnaces and ovens by reducing the thickness of the insulation layer – both of which can lead to significant cost savings and an increase in useable space.

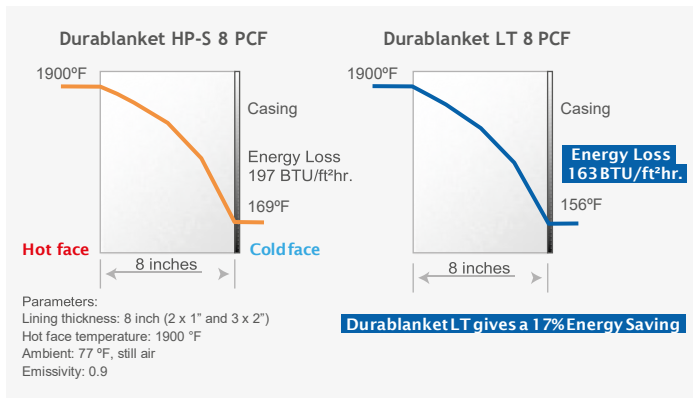
For example, at 96 kg/m³, Durablanket LT provides the same insulation performance as a standard 128 kg/m³ ceramic fiber blanket product, which can result in a weight savings of up to 25%.



Features	Benefits
Exceptional insulating characteristics (Lower thermal conductivity)	Reduced insulation thickness and weight = Choice of energy savings or material cost savings
More fibers (Higher fiber index)	Improved energy savings
Reduced shot content and particle size	Lower cold face temperatures
Less surface shot and “dustiness”	Cleaner workspace and operator satisfaction
Improved handling and tensile strength	Easier installation, saving time and waste
Smoother and softer feel	Less skin irritation

Energy savings and sustainability

Rising worldwide energy prices mean industries of every kind are looking to reduce their energy consumption as much as they can. Added to this, the demands on industry to reduce emissions in line with local regulations and international agreements make Durablanket LT and LT Z a natural choice when it comes to increasing thermal efficiency, reducing costs and honoring CSR commitments to sustainability.



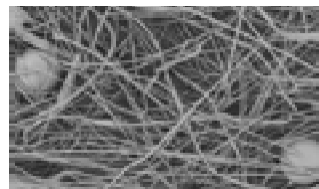
Longer Lifetime

30 percent more fiber per unit mass and fewer large shot particles allow the remaining small shot to be ‘locked away’ from the surface resulting in minimal free particles in the fiber matrix, therefore Fiberfrax Durablanket LT and LT Z Blankets provide a longer lifetime in high vibration – high temperature environments.

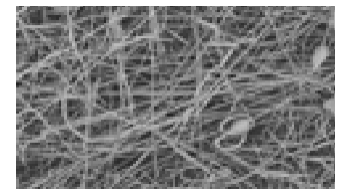
More Fiber

Durablanket LT has a high fiber index, higher than standard RCF blanket. Unlike fiber, shot (un-fiberized particulate), a by-product of the fiber manufacturing process, is not an efficient blocker of thermal radiation.

The fiber properties of Durablanket LT have been optimized to minimize the shot content and reduce the size of shot. The result – superior thermal performance. This is also enhanced by producing a blanket with a softer feel and improved handling.



Standard RCF wool
Large Un-fiberized “Shot”



Durablanket LT
More Finer Fiber and Less Shot

Blanket and module formats

Durablanket LT and LT Z are available as a needled blanket product, or as insulation modules. In either format, it is easy to work with. Little dust is given off during installation, and thanks to its smoother, softer surface, there is less likelihood of skin irritation.



Unifrax Worldwide

Unifrax is a global leader in high-performance specialty products used by many industries in a diverse group of applications. Our products provide substantial improvement in thermal performance, save thousands of dollars in energy

costs and can help reduce your operations environmental footprint. Unifrax is committed to producing high quality products that help our customers save energy, reduce pollution and improve fire safety.

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