

# When the going gets tough, Dunlop UsFlex keeps going



Battered by heavy, often razor-sharp rocks slamming into and tumbling along its surface, cutting and gouging into the rubber, it is easy to understand why even the heaviest of industrial conveyor belts used on heavy quarrying and mining applications generally only last a few months. Such lifetimes can easily be even shorter when rocks or other foreign objects become trapped, pierce the outer cover and rip through the carcass like a hot knife through butter. A surprising number of operators regard repeated belt repairs and replacements on primary applications as an occupational hazard. What makes this so surprising is that there is a readily available belt that is proven that it can take such operating conditions in its stride so that the months turn into years and it just keeps running and running. I refer, of course, to the now legendary Dunlop UsFlex range of belts.

What usually happens now is that a long stream of technical features and benefits are fired at you like bullets out of a machine gun. But not this time. Instead, I want to tell you about some real-life experiences that testify to the legend that is Dunlop UsFlex. For example, a colleague visiting a large mine in Ghana discovered that his customer had just replaced the Dunlop UsFlex 1000/2 14+4 RE

belts that had been running for 4 years with a new set of UsFlex belts. When asked why, the maintenance manager proudly explained that the reason he replaced the belts was NOT because they were worn out. In fact the opposite was true because the belts still had plenty of working life left in them. However, the customer decided to replace them because otherwise the mine's financial management would cut his budget. The used UsFlex



**Dunlop UsFlex – the belts that can handle anything.**

belts were still in such excellent condition they were put into stock as emergency spares. So in short, the customer replaced the belts because they were too good!

## Stronger than steel?

It is not difficult to understand why Dunlop UsFlex belts last so long when you hear about amazing tales of strength like this one that recently occurred on a primary conveyor in a major granite quarry in Scotland. Several large pieces of granite became jammed against the tail pulley (see photo). The force was so strong that it dislocated the complete steel construction. Amazingly, the Dunlop UsFlex 1000/2 belt did not break. Instead, it simply kept on running.

These kind of experiences are nothing new. They have been happening for years. Dunlop UsFlex continually proves itself

to be the toughest belt out there. True, they are not cheap to buy but they are the cheapest to run. Surely, the question is not whether you can afford them but whether can you afford NOT to use them?



## About the author

After spending 23 years in logistics management, Leslie David has specialised in conveyor belting for over 17 years. During that time, he has become one of the most published authors on conveyor belt technology in the world.



**Leslie David**

THE LONGEST LASTING CONVEYOR BELTING



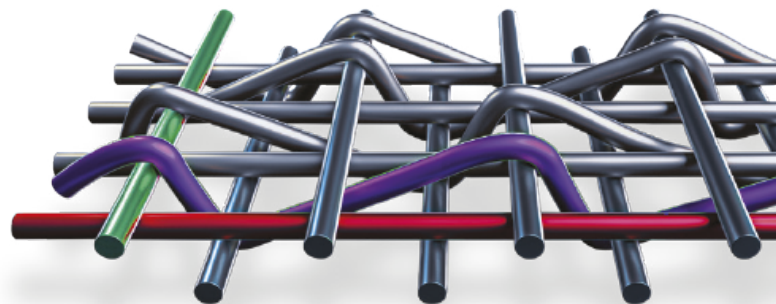
## HEAVIER AND THICKER BELT IS NOT A SOLUTION

**UsFlex** provides impact resistance up to three times greater than that of conventional plied belting. This unequaled toughness means the belt will not be easily damaged in the loading and conveying of large, sharp material. As a result, UsFlex will provide the longest belt life in the harshest conditions!

This revolutionary product owes its outstanding impact and tear resistant characteristics to an innovative woven straight-warp carcass that is unique to Dunlop. This consists of heavy strands of polyester running lengthwise and heavy nylon strands running crosswise held in position by a strong yarn. The strands are completely straight in both directions and not interlocked as in a conventional belt carcass. This allows the weft to float free from the warp, thereby minimising the peak point of impact because the energy is absorbed over a larger area, providing maximum protection to the carcass.



Scan & learn more  
about UsFlex!



Straight-warp construction



Fill



Binder Warp



Classic Straight Warp

## THE WHOLE LIFE COST

We're not just selling belts; we're delivering unparalleled performance that translates into longer operational lifetimes. By calculating the 'whole life cost' of our belts, you'll realize that the initial investment is a fraction of what you save in extended operational lifetimes and minimized maintenance costs.

INVEST WISELY IN THE FUTURE OF YOUR OPERATIONS

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