

/ EXCELLENT RESISTANCE
TO THE COLD (- 30 DEGREES)
/ EXTREMELY GOOD SLIP
RESISTANCE ON THE ICE

FIBREGrip[®]

NON-SLIP SOLE



DELTA S.p.A.



The new project is a result of different trials and studies made at the laboratory in **DELTA**, with the collaboration of professors of polymers technology at the Boston University .

The idea came just to satisfy and reply to the various demands of our customers to have a rubber product that could have as main characteristic a very good slip resistance on the ice.

In fact due to the climatic changes of the last years, we can face more often problems of people that fall down, worsen even by the fact that the population becomes older, so more predisposed to accidents and well-cared-for, mostly when walking on snow-covered grounds, icy or wet.

It is for this reason that our studies and researches were focused on this real problem, so that we are able to give our contribution to the society and very clear replies and concrete solutions. To give a technical explanation of the product, we can say that the compound is made by specific polymers, that mixed with resins and vegetable fibres, give an excellent resistance to the cold (- 30 degrees) and an extremely good slip resistance on the ice.

The vegetable fibres are filaments extracted from natural products, 100% decomposable ones.

Why we use the fibers? Because once they are in contact with a slight surface of water, at low temperature,



they freeze creating a friction with the ice. **The shoes made with these rubber soles were sent by various shoes factories to different laboratories, such as RICO TEST, TUV RHEINLAND, PFI and all of them have certified the excellent result of the slip resistance on an iced surface.**

Our research has carried on towards another rubber product, with the same performances on the ice, even if with a slightly inferior quality, without the usage of the vegetable fibers, but always following formulation based on specific polymers and resins that give a slip resistance at low temperatures.



TALKING ABOUT ICE

Talking about ice, we refer to the datas of the year 2012, and compared to the previous year, we have seen an increase of 50% - mr Guido Bizzi, Unipol agent, says. Due to the ice and the presence of piles of snow many people, walking on

the streets, felt down and suffered wounds and contusions. The iced platforms have produced a war report: for ex.at San Camillo the dislocations increased by 33%, the breaks of 22%." The victims are mostly over 65- Sandro Rosetti, director of the Orthopaedy division of the hospital, explains. It is in all the case traumas caused by falls."

" in these days - doct. Giampaolo Valtancoli, director of Bufalini Ospital Emergency - the risk of falls is very high. The majority of the traumas refers to contusions to the wrists, elbows and shoulders, various breaks at the superior arts that didn't require recovery. " the suggestion is to reduce the movements to the minimum, mostly on foot."

In any case- doct Valtancoli continues- it is better to pay a lot of attention as follow some expedients as for ex. shoes , suitable to walk on the snow and on the ice, possibly with a sole with special engraved pattern". Attention to the stairs, that represent a big danger in these circumstances.

Besides, the suggestions for the old people are not to make exaggerated efforts, to avoid risky situations and to let be helped if necessary by family or neighbours and always to wear slip resistant shoes to minimize the risks

