

No Flat Technology With Repair-M Alfa and Super Soft Gel

1. No flat technology with Repair-M Alfa



Repair-M Alfa 50cc bottle

The flat of external factors such as stabbing by a nail becomes rare and the flat caused by hitting the rim by under inflation stays several percent these days. But more than 90% of flats are caused by the deterioration of the tube.

The flat by the deterioration of the tube

- ① There is an eyelet (micro hole) in the contact department with the rim of the tube
- ② There is an eyelet in the tube by friction at a tire and the joint of the rim
- ③ Flat near the valve

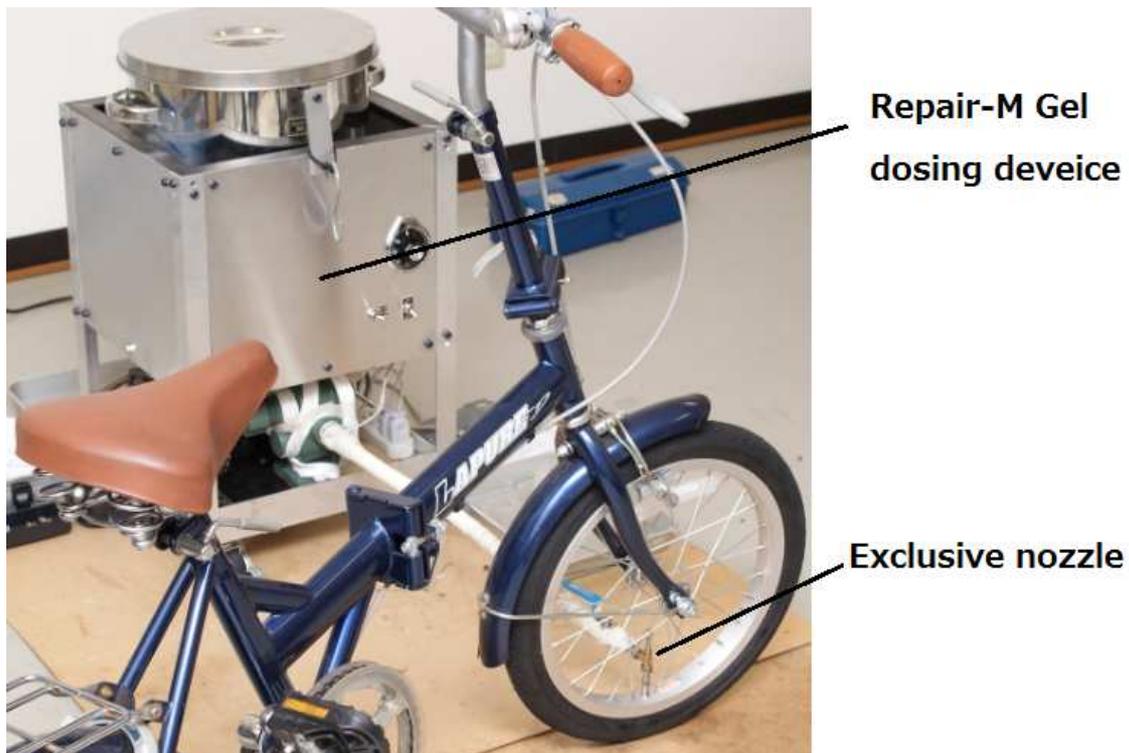
Because a similar flat occurs in other places even if the punk of ① in particular repairs it because it is caused by deterioration, you should change a tube when it recurred. In addition, ①② is the place where an outbreak point came in contact with a rim not the place where the tire inside came in contact with a tube, and it is thought that the transformation of the tube of the part concerned becomes important factor. Furthermore, the head of the nipple to fix a spoke sticks out from the rim bottom, and this brings local

transformation in a tube, and this becomes the factor of the flat also.

Anyway, the deterioration must be occurred at the end so that a micro hole caused by it should be filled by the liquid rubber before getting punctured.

Repair-M Alpha is a kind of the liquid rubber and it is quite effective filling up the micro hole to prevent the puncture, the flat and the general air leakage. The recommended amount of Repair-M Alpha for 700C 23C tire is around 10cc (10g),

2. Complete no flat technology with Repair-M Gel (Super Soft Gel)



So far the complete no flat has been accomplished by the foaming urethane and the gel material in a tube and also the sponge rubber substituted for a tire. The trouble of the foaming urethane and the sponge rubber when using was gradually leakage of foaming gas so that ride comfort turned worse. After all, the tire made from the urethane form and sponge rubber weakened from an elasticity drop of the material.

By the way, the fault of these tires in comparison with the conventional pneumatic tire was weight and the ride comfort. MassTech made the diameter of 26 → 20 inches and the tire width -33% so that MassTech Mini-Vero was successful in controlling the tire weight almost a half. In addition, MassTech adopted the new development super soft gel such as Super Soft Gel which was superior to a pneumatic tire in vibration absorbency and realized a comfortable bicycle while being a no flat. Use by the daily life does not have any inconvenience.

Repair-M Gel already passes more than ten years after MassTech marketed it. MassTech has had your guidance and encouragement of all of you so far in order to make Repair-M Gel a brand of the trust and a no flat.