

## Commercial Treadmill Oil Info Sheet

**Description:** Part Number: 15-0003

Expert Fitness UK brand Commercial Grade Treadmill Silicone is a Pure Grade Oil Lubricant that is Clear in Colour, has no Odour and is Non Hazardous.

Due to the method in which it can be applied onto the Treadmill Deck or Running Belt there is no need for any additives, meaning it is free from Solvents, Propellants and Distillates. The only secret we would never disclose is the viscosity of our lubricant as that information keeps us ahead of any competition!

### **Developed by Treadmill Engineers:**

Our own in-house Engineers developed our Commercial Grade Treadmill Lubrication based around the most Demanding, Heaviest and Continuous usage that could be placed on a commercially designed and manufactured Treadmill

Blended specifically for Treadmills fitted with Black Laminated Treadmill Decks and Treadmill Belts up to a maximum thickness of 5mm the result is a Silicone Based Wet Treadmill Lubricant that provides the Maximum Protection a Wet Lubricant can offer.

### **Our Method of Application:**

Our Commercial Grade Treadmill Lubricant is designed for use on Treadmills fitted with Black Laminated Treadmill Decks.

The method of application is either by Reservoir Refill or by our preferred choice of "Manual" application. A Measured amount of Lubricant is applied using an applicator directly underneath the Treadmill Belt and then left for the Gym Members to "Walk In" which with normal usage will spread the Lubricant throughout the entire surface of the Treadmill Deck creating an even wet film to virtually eliminate friction and build up of heat (full instructions provided in pack).

Further applications will depend on the hourly usage or User Demand of the machine.

### **About your Treadmill Deck/Belt:**

The majority of Treadmill manufactures today use Black Laminate topped Decks also known as Smooth Laminated Sealed Running Boards although you will still find Marine Ply, Phenolic or Hardboard Decks fitted to specific products. However the latter three would require an ironed on Wax Based Dry Lubricant, as a Wet Lubricant would quickly be absorbed into the timber deeming the process useless.

Better quality Treadmill Belts are manufactured using 2-Ply Polyester Backing or Cotton/Polyester mix and a PVC or TPU Running Surface for durability.

The Belting companies will supply the Treadmill manufactures with an endless belt cut to size and joined using a vulcanising technique where the join will either be a finger joint or flat angled joint with a foil placed over the join prior to being heated up in a Press to ensure it stays securely together.

The Deck is usually made in a similar way with a laminated sheet being adhered onto MDF board. Better quality Decks will have a Laminate adhered to the top side and underside of the Deck providing a combined thickness of up to 2mm (laminate only)

## **Maintenance Free Belts:**

Reading thorough the various pages of our web-site you will probably have noticed by now that we are no lovers of the Sales Specific "Maintenance Free" or "Pre-Lubed" Belts mainly due to the lack of clarity in their title.

**Fact:** The majority of Commercial Treadmills break down due to either lack of Lubricant, applying the wrong type of Lubricant or never applying any Lube because the product stated that the Treadmill Belt was "Maintenance Free" or "Pre-Lubed"...

## **Treadmill Belts: The Facts!**

Lets clear something up before we continue. There is No Such Thing as Maintenance Free! What would be a better description for the Treadmill marketing teams to use would be; fitted with a "Low Maintenance" Treadmill Belt or "No Lube required until 500 hrs use" for example

- Maintenance Free Belt: This type of belt is normally marketed as maintenance free (for the life of the belt) You can work that one out for yourselves
- Pre-Lubed Belt: This simply means that a pre-application of Lube has been applied into the belt. It does not mean it will never require further applications

## **Treadmill Friction:**

Friction is the force between two surfaces. In our case it is the underside of your Treadmill Belt and the Surface of the Deck or Running Board. As you walk or run on your Treadmill, with each step you are forcing the Belt against the Deck. The heavier the user the more force is applied creating more friction

## **Friction can be a good thing:**

Two Rough surfaces rubbing together will create maximum friction – This would be similar to the rubber sole of your Running Shoe and the Running Belt Surface. Think of it as pressing your brake pedal on your car, the rough brake pads are pressed tightly against the brake disc creating friction which quickly slows the car to a stop however, apply oil onto the face of the pad and the opposite occurs

## **Friction on a treadmill is a bad thing:**

Two surfaces rubbing together will eventually create wear with the softer of the two materials failing, meaning it will usually be the Treadmill Belt that fails first (being the softer material). The Laminate on the Deck will fail shortly afterwards. However it doesn't stop there... Friction creates heat, the same heat we mentioned earlier to join your belt will simply reverse to separate or lift the join... Heat will cause the Laminate in your deck to either blister or lift literally separating from the MDF. This will have a detrimental effect on the Deck, which will usually crack or split down the middle... And there's more... Friction will create additional load on the Motor causing the motor to get hot. The motor will have to work harder and so will the Motor Controller and like a virus spreading through your machine, it will quickly break down usually with major expense.

Commercial Motors, Motor Control Units, Treadmill Decks and Running Belt together can go into the ££££ thousands to replace often deeming the product beyond economical repair (BER)

### **Expert Fitness UK Commercial Treadmill Lubricant:**

Now lets add a top quality lubricant into the equation. We can guarantee that Expert Fitness UK Commercial Grade Treadmill Silicone Lubricant will reduce amp draw more efficiently and will adhere to the Belt fabric better than any other method.

Our Lubrication will save you £££ on unnecessary part failure by providing Ultimate Protection for your Mechatronics and Virtually Eliminate the dreaded Friction between the underside of your Running Belt and surface of your Treadmill Deck.

### **COSHH**

All our Treadmill Lubes are INDUSTRY STANDARD Genuine Treadmill Lubricants that meet COSHH Regulations and are available Only through Expert Fitness UK Ltd and authorised UK Fitness Equipment Repair and Service Divisions.

Always check for the **ExpertfitnessUK** logo on the bottle. Should you come across a similar bottle and method of application not displaying the **ExpertfitnessUK** logo then it's not our Genuine Treadmill Lube in the bottle!