



Cleaning and Disinfecting VOLTA Belting

The question of what materials to use when cleaning and disinfecting VOLTA conveyor belting comes up from time to time. VOLTA Belting Technology Ltd has conducted a series of tests in our laboratories with various cleaning and disinfecting materials and techniques. As a result of these tests we can make the following general recommendations:

CLEANING – The use of sodium hydroxide (NaOH) or other similar solutions is suitable for cleaning VOLTA conveyor belting. These solutions should be in a concentration that is no stronger than 5%. Any solutions used to clean VOLTA conveyor belting should be allowed to remain in contact with the belt for a short time only. In general this should not exceed 5 minutes. The cleaning solution should then be washed off the belt with sufficient fresh water to ensure complete neutralization and removal of all chemicals.

DISINFECTING – A solution of “Halamid”, produced by Akzo Nobel, may be used. The concentration should be no stronger than 0.5%. As in cleaning, the liquid should be left on the belt for a short time only and then the belt must be thoroughly washed down. According to Akzo Nobel’s technical literature the ambient temperature should be between 4-40° C (40 – 104° F) and the time of exposure should not exceed 5 minutes.

GENERAL – VOLTA conveyor belting is not especially resistant to very strong, non-organic acids in high concentrations. The belt materials are not totally resistant to alcohol or acidic liquids such as chlorine based chemicals. The higher the concentration of chemicals, the stronger the reaction of the chemicals on belt life.

Three factors affect the type and degree of degradation that cleaning and disinfecting materials will cause to the belt. These are:

1. concentration of the cleaning / disinfecting material.
2. time of exposure to the cleaning / disinfecting material.
3. ambient temperature.

An increase in any or all of these factors will have a degrading effect on the belt and decrease life expectancy.

VOLTA Belting Technology Ltd. makes no recommendations regarding specific cleaning and disinfecting products. It must be remembered that all cleaning and disinfecting products contain harsh chemicals that can have an adverse effect on surfaces that they are in contact with. We highly recommend that the customer follow the instructions included with the cleaning / disinfecting product. By following the cleaning / disinfecting product manufacturers guidelines and VOLTA Belting Technology Ltd’s general recommendations, any negative effects that might be caused by these products will be minimized.

VOLTA Belting Technology Ltd.

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