

# SURFACE AND FARM EQUIPMENT DISINFECTION

## SURFACE DISINFECTION

The level of disease-causing organisms present after basic cleaning can remain high enough to offer a serious disease challenge to livestock. Using a proven disinfectant such as Virkon™ S against viruses, bacteria, fungi, and moulds is essential.

Surface Disinfection	Dilution Rate	Application
Routine Disinfection for all surfaces, earth, wood, and concrete	1:100 (10 grams of Virkon™ S to every 1 litre of water)	Using a pressure washer or other mechanical sprayer, apply Virkon™ S solution at an application rate of 300 ml/m <sup>2</sup>

## SURFACE APPLICATION USAGE CHART

To estimate the total surface area to be disinfected, including walls and ceilings, multiply the total floor area by 2.5.

Surface Area to be Disinfected	Volume of Water Required	Dilution Rate		
		Routine Disinfection and UK DEFRA General Orders 1:100 (1 %)	1:200 (0.5 %)	UK DEFRA Diseases of Poultry Orders 1:280
		Quantity of Virkon™ S to be added		
50 m <sup>2</sup>	50 litres	150 g	75 g	54 g
100 m <sup>2</sup>	30 litres	300 g	150 g	107 g
500 m <sup>2</sup>	150 litres	1.5 kg	750 g	536 g
1000 m <sup>2</sup>	300 litres	3 kg	1.5 kg	1.071 kg
2500 m <sup>2</sup>	750 litres	7.5 kg	3.75 kg	2.68 kg

1. Decide on the volume of disinfectant solution required at the appropriated dilution rate.
2. Measure out the appropriate quantity of Virkon™ S powder to achieve the desired dilution rate.
3. Add the Virkon™ S powder to the water and stir thoroughly to dissolve.
4. Using a pressure washer or other mechanical sprayer, apply Virkon™ S solution at an application rate of 300ml/m<sup>2</sup>.

## FARM EQUIPMENT DISINFECTION

All farm equipment must be thoroughly cleaned and disinfected prior to use or transfer between sites to remove any potential disease-causing organisms and cross contamination.

Farm Equipment Disinfection	Dilution Rate	Application
Routine cleaning and disinfection of movable farm equipment	1:100 (10 grams of Virkon™ S to every 1 litre of water)	Using a brush or pressure washer, wash all equipment in Virkon™ S solution until visibly clean

*The specified uses and registered claims for Virkon™ S may vary from country to country. Please contact LANXESS directly to verify country-specific approved usages.*