

Effective Tannin Stain Removal Using Raynor Hygiene Stain Off

Tannin stains, commonly found on cups, mugs, and teapots, can be particularly stubborn and unsightly. Raynor Hygiene Stain Off is formulated to target tannin stains effectively. Below are detailed, structured methods for its application, ensuring optimal results and protecting your warewashing equipment.

Method 1: Pre-Soak Treatment (Recommended and Safest Approach)

The majority of dedicated tannin remover powders, including Raynor Hygiene Stain Off, are designed to be used as pre-soaks. This method involves treating stained items outside of the main commercial dishwasher cycle and is considered the most effective, especially for heavily stained wares.

Preparing the Solution

- Fill a suitable container, such as a sink, plastic tub, or soak tank, with warm or hot water. The temperature should typically be between 40°C and 60°C.
- Add the tannin remover powder following the dilution rate stated on the product label (for example, 10g to 50g per litre of water).
- Stir the solution thoroughly to ensure the powder is fully dissolved.

Soaking the Items

- Carefully immerse only the stained items—usually cups, mugs, or teapots—into the prepared solution.
- Allow the items to soak for 15 to 60 minutes, depending on how severe the staining is.

Rinsing and Washing

- After soaking, remove the items and, if necessary, gently wipe away any remaining stubborn stains using a cloth or brush.
- Rinse the items thoroughly with clean water to remove all traces of the chemical.
- Place the rinsed items in the commercial dishwasher and run a standard cycle to complete cleaning and sanitisation.

Why this method is preferred: Pre-soaking effectively targets stains while avoiding disruption to the dishwasher's primary wash chemistry or interfering with the automatic dosing system for regular detergent.

Method 2: Direct Addition to the Wash Cycle (Less Common for Dedicated Removers)

Some specialised powders are formulated for direct dosing into the dishwasher—either as a combined detergent and tannin remover or to be used alongside standard detergent. However, this is less common for products like Raynor Hygiene Stain Off.

Important warning: Never add a powder designed only for soaking directly into a dishwasher that uses a liquid auto-dosing system. Doing so can:

- Cause damage to the pump or jets
- Disrupt the dosing of the liquid detergent
- Lead to excessive foaming or corrosion

If the product is explicitly labelled for machine use, follow these steps:



- Check the dosing method: The instructions will specify whether to add the powder manually to the wash tank at the start of a shift, after a certain number of cycles, or through a dedicated dosing system (which is less common for powders).
- Determine the dosage: Refer to the product's guidance, which will be based on the machine's tank size and the water hardness (for example, a specified number of grams per 10 litres of wash water).
- Monitor performance: Begin with the minimum recommended dose and only increase if necessary to avoid excessive chemical use.

Key Takeaways for Customers

- Always consult the manufacturer's label for precise application methods and dilution rates.
- For dedicated tannin-removing powders, pre-soaking is the safest and most effective technique.
- Persistent hard water remains a challenge. While tannin removers efficiently deal with stains, installing a water softener is the only reliable way to protect your machine and prevent issues with scale and detergent performance.