

ROYSON ENGINEERING COMPANY

TECHNICAL DATA SHEET FOR ROYSON #51

The ROYSON #51 compound is a high quality powdered soap formulation designed for use on all metals and alloys. As a burnishing compound #51 excels in mildness, cushioning and lubrication. #51 should be used on clean work only. While working well on ferrous metals, they give outstanding results on all non-ferrous metals as well. They produce virgin metal color and clean surfaces and can be used with virtually all types of media.

DESCRIPTION

Royson #51 – pH 8.5

An all purpose compound in powder form imparting beautiful virgin metal color and high gloss to all metals and alloys when used on clean surfaces. Royson #51 is a mildly alkaline multi-burnish compound with outstanding lubricating, cushioning soil suspending and lustering properties, surpassing in performance many specialty compounds. Royson #51 works well with any media and leaves no film on the work. Performs equally well in vibratory and barrel finishing equipment.

USE DIRECTIONS

Since the Royson #51 compound is primarily designed for coloring and burnishing, it is important that the work be clean to begin with. If a long cut-down cycle has preceded the burnishing operation, a short cleaning run with Royson 53-NF will clean and improve the surface and contribute materially to best possible results.

All compounds which dissolve in water should be used in proportion to the water present rather than in proportion to the entire load mass.

The Royson #51 contains a substantial amount of high grade burnishing soaps. If, therefore, the powder is dumped onto the work load, it may clog small openings in the work pieces as the water reaches them. This possibility can be avoided by first dissolving the compounds in water before adding it to the load.

PRECAUTION: Before using a new compound in your finishing equipment, both equipment and media should be thoroughly cleaned to avoid any possibility of chemical contamination.

AMOUNTS OF WATER AND COMPOUND TO BE USED IN VIBRATORS:

To use Royson #51 in vibrators with bottom drains (flow thru systems) add water until entire mass is wet, then reduce water to a trickle – just enough to keep the mass wet. Add compounds according to size machine listed below:

ROYSON ENGINEERING COMPANY

Vibrating Container cu. Ft. capacity 1 3 6 10 20

Amount of Royson #51 3 oz. 8 oz. 1 ¼ lbs 1 ¾ lbs 3 lbs

NOTE: For small sizes of media use less compound to prevent excessive splashing.

AMOUNT OF WATER AND COMPOUND TO BE USED IN BARREL FINISHING EQUIPMENT:

Barrel Compartment cu. Ft. capacity ½ 2 6 14 18

Gals. Of water ¼ G. 1 G. 3 G. 7 G. 10 G.

Amount of Royson #51 3 oz. 6 oz. 1 ¼ lb 2 ½ lb 3 lbs

IMPORTANT NOTICE:

1. All detergent components of our compounds are fully biodegradable in accordance with pollution control requirement.
2. No special operator protection measures are required with the use of these compo

NON-WARRANTY CLAUSE: All statements, technical information and recommendations are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties express or implied. Before using, user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever in connection therewith.

ROYSON ENGINEERING COMPANY COPYRIGHT 2010