

# Durapass 720

## Description

**Durapass 720** is special additives used to inhibit formation of rust during the process and after acid pickling of steel.

## Features

**Durapass 720** neutralizes and protects steel after pickling in enameling and phosphating lines.

## Applications

**Durapass 720** can be used in spray and dip applications

## Physical & Chemical Properties

Appearance	Powder.
Color	White to yellowish
PH(1%) at 25°C	10.5 ± 0.3
Total Alkaline point (1%)	11.5 ± 0.3
Free Alkaline point (1%)	6.9 ± 0.3
Solubility in water (under desired quantity)	Soluble

## Equipments

Tank can be fabricated from hard mild steel, or stainless steel.

## Operating Parameters

Concentration (W/V %)	0.3 to 0.7
Temperature (°C)	40 to 50
Pointage	2 to 5
Time (min)	0.5 to 3

## Process Sequences

- Degreasing, & cleaning.
- Pickling
- Rinse.
- Passivation & Neutralization by **Durapass 720**
- Rinsing
- Metal finishing ( Enameling or phosphating)

## Reagents & Equipments

- 0.1N Sulfuric acid
- phenolphthalein Indicator
- Conical Flask 250 ml.
- Burette 50 ml.
- 10 ml Pipette.

## Analysis “Free Alkalinity Points, FAP”

- Take 10 ml of **Durapass 720** working solution in a conical flask.
- Add few drops of phenolphthalein Indicator.
- Titrate the solution against 0.1N Sulfuric acid
- End point pink to colorless.
- Record mls used of Sulfuric acid used as A
- Consumed mls will give FAP.
- Free alkaline points should be maintained between 2.0 to 5.0 points.

**Durapass 720** concentration (g/l) = A x 1.45

## Replenishment

Add 1.5 kg of **Durapass 720** per 1000 liters of working solution to increase the free alkalinity by one point.

## Storage Information

### Storage & Handling

Keep bags tightly closed. Keep bags in a cool, well-ventilated area. Do not expose to direct sun. Corrosive products keep away from Acids, alcoholic and oxidizing materials .Store in temperature not above 40°C.

### Shelf Life

Two years from date of production if stored in normal condition.

### Packaging Type

Woven polypropylene lined bags.

### Standard Packing

**Durapass 720** is available in 25 Kg PP bags.

Note: This information is based on our current level of knowledge is given in good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein. Revised on 31/Dec.2019 (ASRN)