



# Technical Service Data Sheet

## Durapass SS

### Description

**Durapass SS** is a liquid acid based on nitric acid.

### Features

- **Durapass SS** is formulated as passivation of stainless steel series 200, 300 and series 400 contain 16% or more Cr.
- **Durapass SS** is used to enhance the corrosion resistance to achieve satisfactory performance of stainless steel parts or where contamination must be avoided.

### Application

**Durapass SS** is specially formulated liquid product for stainless steel passivation after the descaling acid used in immersion application.

### Physical & chemical Properties

Appearance	Clear colorless liquid
PH (1% solution) at 25 °C	< 3
Density at 25 °C	1.09 ± 0.05 g/cm <sup>3</sup>
Total Acid Point (1% Solution))	4.1 ± 0.3

### Equipments

**Durapass SS** tank should be plastic or plastic lined, pumps fittings in contact must be nitric acid resistance.

### Operating Parameters:

Concentration	Used as it is without dilution
Temperature (°C)	20 - 40
Time (min)	30

\*Depending on Alloy of stainless steel.

### Process Sequences

- Cleaning surface from grease, oil and dust.
- descaling with **Dura pickling liquid**
- Passivation with **Durapass SS**
- Hot water Rinse.
- Drying

### Initial preparation:

**Durapass SS** is used without dilution.

### Precautions:

Before effluent the used **Durapass SS** should be neutralized, the acids and fluorides should be treated.

### Storage Information

#### Storage & Handling

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not expose to direct sun. Stable nonflammable product. Avoid store near alkaline, reducing materials. Store in temperature not above 40°C.

#### Shelf Life

Two year from date of production if stored in normal condition

#### Packaging Type

HDPE containers , outer sealed with ventilated cap

#### Standard Packing

**Durapass SS** is available in 25kg plastic can, 1000 kg IBC.

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 12/Jan.2020 (ASRN).