



## Product Features

Pat-Add RU 02 is used as a liquid corrosion inhibitor in waterborne paints and similar formulations.

The product combats corrosion formation on iron substrates at various stages. Pat-Add RU 02 is successfully used to inhibit in-can corrosion, flash-rusting and/ or exposed dry paint.

Pat-Add RU 02 is applicable in a wide range of waterborne paint systems, including in protective coatings, architectural and industrial paints

### **Main benefits are:**

- Prevention flash rusting, formation of rut spots during film formation.
- Combatting in-can rust formation and discoloration as result on contamination liquid paint with rust-particles.
- Oxygen scavenger and rust inhibitor in one.
- Easy workable, liquid additive.
- Supporting permanent film corrosion inhibition.

## Physical Characteristics:

<b>Appearance</b>	: Clear yellowish liquid
<b>Viscosity @ 25°C</b>	: <15 cP
<b>Specific gravity@25°C/77°F</b>	: Approx. 1.160
<b>Composition</b>	: Aqueous solution Organic compounds
<b>Solubility</b>	: Soluble in water and polar organic solvents
<b>Active content</b>	: 30.0%

"Physical parameters indicated here in product data sheet are typical properties and not specification limits or range."

## Properties:

Pat-Add RU 02 inhibit corrosions of iron substrates. The product shows strong interaction onto iron surfaces, thus passivating the surface from oxidation.

Waterborne paints tend to be sensitive for showing rust formation when packed in metal cans and when being applied onto iron substrates. Typical examples of problematic cases are packaging in metal cans, damaged metal lids, DTM-protective coatings, architectural paints applied in nail-heads, screws, industrial coatings, brought into contact with uncoated metal parts.

Pat-Add RU 02 inhibits rusting by formation of an anionic passivated layer and reducing oxygen concentration in liquid paint.

# PAT-ADD RU 02

## Product Data Sheet

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**PATCHAM**

*A step towards sustainable chemistry*

### Dosage & Addition

The optimal amount of Pat-Add RU 02 to be used is system and application related, but generally is between 0.1 to 0.6% Pat-Add RU 02 as supplied form, calculated on the total weight of liquid paint.

The product is typically added under mild mixing conditions to the let-down stage.

The optimum concentration and way of usage depends on the individual requirements and conditions and is best determined experimentally.

### End Use Application

Pat-Add RU 02 is designed for use in a wide range of waterborne architectural, protective, marine, wood and industrial paints. Examples are WB dispersion-, -Epoxy-, -PE- paint systems.

In case of WB corrosion protective coatings, Pat-Add RU 02 is typically used in conjunction with permanent corrosion inhibitive pigments.

### Shelf life

The product has shelf life of 12 months from the date of manufacturing; packed in unopened original containers as shipped by Patcham when stored in frost free warehouse.

### Storage, transportation, Safety and Handling

For information on handling, storage and safety please refer to the information from the Material Safety Data Sheet (SDS).

### Packing size

Drum: - 230.0 kgs, Can: - 25.0 kgs, IBCs: - 1100 kgs.

\*EP: experimental product. Please contact Patcham (FZC) for information on actual product status.

**Disclaimer:**

*While every effort is made to provide accurate and complete test results for The PATCHAM ADDITIVES, various data may vary depending upon different raw materials, test procedures and test conditions. The accuracy, reliability, or totality of the results are not guaranteed or warranted in any way. PATCHAM FZC and its representatives disclaim liability of any kind whatsoever, including liability for quality, performance and fitness for a particular purpose arising out of the use, or inability to use the test results.*