

RNC 5010 **VK[®] Jelly[®]**

Pickling Gel for Stainless Steel Austenitic , Duplex and Super Duplex grades, Inconel alloys

RNC 5010 VK[®] products are Tested & Approved by IIT Bombay under ASTM A380 standards



Before and After look of weld seam – VK Jelly[®] applied on & near weld seam with brush

RNC 5010 VK Jelly is a gel / paste form product for pickling of Stainless Steel austenitic, duplex & super duplex grades and Inconel alloys. It is applied by a brush on weld seam and nearby heat affected zone area.

1. RNC 5010 VK Jelly removes built in corrosion from stainless steel and inconel alloys.
2. RNC 5010 VK Jelly removes scales, discoloration , burn spots and ferritic contamination without wire brushing or grinding.
3. RNC 5010 VK Jelly removes metallic contaminants, oxide scales, rust spots and annealing colors.

RNC 5010 VK[®] Jelly[®] *Coverage / kg : Approx. 100 meters of weld seam.*

HOW TO APPLY ?

1. RNC 5010 VK Jelly is applied on weld seam & surrounding areas with a nylon bristled plastic brush

Best Application Temp. = between 5 – 40 °C of metal.



2. Keep **RNC 5010 VK Jelly** on metal surface , depending on grade of SS , surface finish , contamination, scale , atmospheric temperature and method of welding.
3. Use pressurised water jet spray OR wipe the weld seam lightly with plastic brush & wash thoroughly with clean soft water having chloride less than 50 ppm.

Do Not Over Pickle – The best results are obtained by continuous visual inspection of the surface.

<u>Grade</u>	<u>Pickling Time</u>	<u>Temperature Deg. C</u>
300 Series	5 – 30 minutes	21 – 50
Duplex Grades	60 – 90 minutes	21 - 50
Super Duplex Grades	80 – 120 minutes	21 – 50

RNC 5010 VK Jelly can be used on Inconel 625. The Inconel has a very high resistance to corrosion, so it means that the dwell / contact time (time the product is left on the surface) will be longer than the dwell / contact time when used on Stainless Steel 300 series products. But, the procedure is the same. The pickling time may vary from application to application – the method is to conduct series of trails. Produce a small series of test plates using the methods and materials that will be used in normal fabrication. Apply **RNC 5010 VK Jelly**, then conduct a range of visual inspection. Start it at 30 minutes and continue to inspect by time period until the desired result has been achieved to set the benchmark for normal operations. Use a high pressure water jet to wash it with a clean soft water having chloride less than 50 ppm.

PHYSICAL PROPERTIES

- Appearance & Colour : Gel, viscous, colourless, soluble in water , pungent acidic odour
- pH <1 at 1 % concentration
- Boiling point - not known
- Completely soluble in water
- Specific gravity (water=1) = 1.2 - 1.3
- Non combustible

RNC 5010 VK JELLY contains drying indicators which is very helpful during higher summer temperatures as whitish layer will appear if drying happens. To avoid drying , one can spray light water or apply light coat of **RNC 5010 VK JELLY** again.

Waste Treatment : Use **VK Neutralizer** or slaked lime to neutralize wash water to pH 7 to 10 , before discharge as per local regulations.

Shelf life : minimum 3 years, under recommended storage conditions.

Packing : 1 kg , 1.5 kg & 5 kg

Precautions : Person handling this item should wear rubber hand gloves, eye shield goggles. In case of accidental contact on skin and eyes, wash with water immediately and wash with regular soap or apply Calcium Gluconate solution or gel on affected skin area, if it is readily available. Seek medical advice if required. Refer MSDS for more details.

STIR WELL BEFORE USE

This information is based on our current level of knowledge. It 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 verification of details given herein.

ASV Multichemie Private Limited
E 30/3, MIDC Addl. Patalganga,
Karade, Tal. Panvel 410 220 INDIA

Tel: +91 93265 01213
Email: info@asvmultichemie.com
URL: www.asvmultichemie.com