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**Manufacturers of Water Based Adhesives
Coatings and Polymer Systems**

TECHNICAL DATA

PRODUCT CODE : **FP 2162**
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INTRODUCTION

FP 2162 is a soft cold seal designed for a met OPP/plain OPP laminates where release lacquer is not used for release in the reel.

This grade of cold seal has been formulated to have very good seal strengths coupled with excellent adhesion to corona treated OPP **with good release from untreated plain OPP.**

Laboratory testing has shown that this cold seal is not suitable for OPP laminates containing NNH as the release film . NNH is a two- side treated plain OPP.

The cold seal when fully dried has little or no tendency to give stringy bonds providing a clean peelable seal on opening.

TECHNICAL BENEFITS

FP2162 has been put through extensive development programme to provide a high level of mechanical stability in the wet state (ie above 4000 seconds under the klaxon test method).

The high mechanical stability will provide a more 'user friendly' cold seal for converters, reducing the rate of build-up of dry cold seal behind the doctor blade which results in streaks and scumming on the gravure cylinder. This benefit becomes very apparent when you are applying cold seal to metallised laminates.

PROPERTIES

Total Solids Content, %	53 - 55%
Viscosity (ready for use)	500 - 700 c. poise
pH	10.0 -10.5

COATING WEIGHT

Cold seal coating weights must be carefully controlled on the press, the recommended coating weight for a new cylinder is 3.0 – 4.0 gsm.

When the coating weight falls to 3.0gsm it is strongly recommended that the cylinder be re-etched to avoid issues with bond strengths on aged reels.

FOOD CONTACT

The dry film components of FP 2162 meet the necessary direct food contact regulations for food packaging.

Further details can be made available on request.

STORAGE AND HANDLING

FP 2162 should be stored in sealed containers and kept at temperatures between 5 and 30^oC. If the warehouse is cool (i.e. 5-10 deg C) it is advisable to bring the cold seal into the factory to acclimatise the adhesive to room temperature before use. Do not store containers in direct sunlight.

The cold seal must be gently stirred before use to ensure the individual components of the formulation are homogeneous.

The cold seal must not come into contact with copper or copper alloys.

It is highly recommended that cold seal is pumped through a clean peristaltic pump from the IBC into the press tray.

SAFETY DATA

Appropriate personal protective equipment must be worn when handling FP 2162. Full details are given in the appropriate Material Safety Data Sheet.