

# ENVIROStrip® 30/50

(wheat starch media)

**AVIATION GRADE** (Code 1603)

## GENERAL DESCRIPTION

ENVIROStrip® wheat starch media is a 100% natural dry stripping media that is non-toxic and biodegradable. Careful processing and stringent quality control procedures guarantee a uniform product of high purity.

ENVIROStrip® wheat starch media is available in several product mesh sizes. The 30/50 grade is used primarily for stripping composite surfaces such as carbon fibre, fibreglass, and aramid. Adhesive flash removal from metal-to-metal bonded parts is another common application.

## PHYSICAL & CHEMICAL SPECIFICATIONS

<i>Appearance</i>	Clear, white media sized 0.3 mm to 0.6 mm
<i>Density (g/cm<sup>3</sup>)</i>	1.45 ± 0.10
<i>Bulk Density (kg/m<sup>3</sup>)</i>	641 – 769 (40 – 48 lb/ft <sup>3</sup> )
<i>Mesh (US Std), max.</i>	5% on 30 mesh
<i>min.</i>	50% on 40 mesh
<i>max.</i>	5% through 50 mesh
<i>Hardness</i>	80 ± 10 shore, D scale

## PACKAGING

ENVIROStrip® 30/50 wheat starch media is available in 90-kg (198.4-lb) polyethylene-lined fiberboard drums

## APPLICATION DEVELOPMENT

ENVIROStrip® 30/50 may be the ideal stripping process for your operation. Request a sample for process or laboratory evaluation.

ADM's Test Center and technical support team are available to tailor ENVIROStrip® wheat starch media's performance to your specific needs.

## APPLICATION

ENVIROStrip® 30/50 was specifically engineered as a paint-removal abrasive media for delicate aircraft surfaces. For removal of most polyurethane topcoat and epoxy primer paint schemes from metal or composite surfaces, the ENVIROStrip® operating window is summarized in the following tables.

(U.S. Standard Measurements)

## COMPOSITES

	(3/8-inch nozzle)	(1/2-inch nozzle)
Nozzle Pressure (psi)	20 - 30	20 - 30
Media Flow Rate (lb/min)	5 - 8	10 - 16
Stand-off Distance (inches)	3 - 10	4 - 18
Impingement Angle (degrees) <sup>1</sup>	20 - 40	20 - 40
Paint Removal Rate (ft <sup>2</sup> /min) <sup>2</sup>	0.2 - 0.4	0.3 - 0.8

(Metric Units)

	(9.5 mm nozzle)	(12.7 mm nozzle)
Nozzle Pressure (bar)	1.4 - 2.0	1.4 - 2.0
Media Flow Rate (kg/min)	2.3 - 3.6	4.5 - 7.3
Stand-off Distance (cm)	8 - 25	10 - 45
Impingement Angle (degrees) <sup>1</sup>	20 - 40	20 - 40
Paint Removal Rate (m <sup>2</sup> /hr) <sup>2</sup>	1.1 - 2.2	1.7 - 4.5

1. A lower angle (20 – 40°) is preferred for stripping composites in order to minimize substrate effects.
2. Paint removal rates are dependent on the condition of the coating and operator skill.



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