



**Natural fiber-based  
PRE-PRG™ purging compound  
FOR POWDER PAINT INDUSTRY**



Ecological and gentle purging compound

# PRE-PRG™ S200 PURGING COMPOUND - a new, non-abrasive and ecological purging compound for powder paint manufacturers

- Highly efficient polymer purging compound primarily composed of renewable and recycled raw materials, does not contain any chemical cleaning additives.
- Natural fiber-based purging compound suitable for cleaning of thermoplastic and thermoset processing machinery. Originally developed for cleaning the most demanding carbon black and graphite compounds and powder paint machinery.
- Efficient in polymer and color changes in everyday use.
- Suitable for acrylic, epoxy and polyester polymers.

## PROVEN EFFICACY – VARIOUS BENEFITS



### Excellent results fast

Tested to give same results with 40% to 70% time saving.

- Less downtime
- Less or no need for mechanical cleaning between color changes



### Machine friendly

Efficient non-abrasive mechanical cleaning with soft, natural fiber vs. abrasive glass fiber.



### Sustainable choice

Made from more sustainable materials and less volume needed for same results.

- Reduces your CO2 footprint
- Can be recycled and utilized as energy waste. Over 50% of ingredients are bio-based or recycled.



### Economic choice

Our pilots indicate a reduction of 40% to 70% in the needed volume vs. neat polymers.

The total material cost with PRE-PRG™ is lower than with special purging compounds:

- Downtime savings
- Material usage of purging compound (kg)
- Cost of purging compound (€/kg)

## STORY OF PRE-PRG™

With a curious mind, R&D expertise, and a desire to test different natural ingredients, the PREMIX R&D team started testing a new purging compound in our compounding lines. The results soon encouraged us to continue testing other types of plastic and powder coating processing machines.

After conducting several pilots with different companies in injection moulding, extrusion, cable industry, compounding, and powder coating, we are confident we have created something truly unique.

***“Best ever purging compound we have used.”***

*- Production supervisor, powder paint manufacturer*



# PRE-PRG™ S200

**Ecological purging compound for powder coating extruders**

**Suitable polymers:**

- Acrylic
- Epoxy
- Polyester

**PRE-PRG™ S200** is a highly efficient polymer purging compound primarily composed of renewable and recycled raw materials. PRE-PRG™ S200 does not include any chemical cleaning additives.

Optimized for cleaning extruders for powder coating products. Reduced machine downtime.

For optimal cleaning results, filling the screw to maximum and using maximum safe torque and melt pressure is recommended.

Processing temperature 100 - 200 °C. Overheating may cause thermal degradation of the compound and formation of fumes.

The product is predried and does not require additional drying.

## Material properties

	Unit	Standad	Value
<b>Physical properties</b>			
Specific gravity	g/cm <sup>3</sup>		1.2
Melt Flow Index	g/10 min	ISO 1133 (190 °C / 5 kg)	0.7
Color			White

PRE-PRG™ is REACH and RoHS compliant.

## Packaging

**PRE-PRG™ S200** is supplied in granule form, packed in 25 kg polyethylene valve bags (1250 kg) on one-way pallet. The product can be stored up to one year in normal storing conditions.

The information in this datasheet represents typical values obtained by us and shall not be regarded as a product specification. The right to make any changes to the content and appearance of this document is reserved by Premix Oy. We condition that the product will be inspected and qualified by the customer for their process to meet the specific requirements set by application, processing equipment and the end product. The user of this product is held responsible for the evaluation of this product's suitability concerning applied legislation and possible patent infringements. We do not intentionally add or incorporate hazardous substances in our production.



# Test PRE-PRG™ purging compound and compare the results!

Contact us to get sample volumes for testing and a price quote:

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## **PREMIX OY**

Premix is a leading expert in polymer modification and the pioneer in electrically conductive compounds. We solve the plastic material challenges for our customers by compounding functionality into polymers and offering polymer modification services with carbon black as one of our core competence areas.

We are recognized as a trusted partner with state-of-the-art facilities and experience from over 40 years.

[www.premixgroup.com/company/about-us/](http://www.premixgroup.com/company/about-us/)

PRE-PRG™ is a trademark of Premix Oy.  
Patent pending.

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**PREMIX**