



BECASOLV

Solvent-Based Plate Processing Washout Solvent

Balanced solvent blend for efficient washout of any solvent-processable photopolymer plate.

Properties

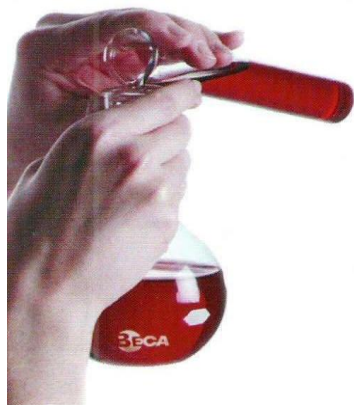
- Unlike other solutions commonly used, these products do not contain chlorinated hydrocarbons.
- Suitable for any type of photopolymer plate, universal application.
- Standard plate washout temperature used in the processor: $30^{\circ}\text{C} \pm 2^{\circ}\text{C}$.
- Short washout times.
- Flash point: $> 62^{\circ}\text{C}$, non-ADR product.
- Leaves the plate free from stains and impurities, with no residual solvent odor.
- Recommended drying time: 1–3 hours at 60°C , depending on plate thickness (do not exceed 65°C).
- Compatible with any processing unit, including both closed-loop and recirculation systems.
- The used product can be easily distilled using standard vacuum distillation equipment.
- After distillation, mix with fresh product. No additives are needed.
- The washout solution has a low odor.
- When used correctly and according to the intended purpose, it presents minimal risk to human health and the environment.

Instructions for Use:

Preliminary washout tests are recommended considering:

- Type of photopolymer
- Processing temperature
- Processing time
- Brush pressure

It is recommended to regenerate the washout solution approximately every **10 to 15 liters per square meter of plate surface and per mm of thickness**.



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Solvent-Based Plate Processing Washout Solvent

BECASOLV is an effective washout solvent for photopolymer plates. It can process virtually all printing plates, making it a universal washout solution. Compatible with all plate processors available on the market. Suitable for both rotary and inline processing systems.

Recovery and adjustment

After use, BECASOLV can be easily recovered through distillation using virtually any approved commercial vacuum distillation unit. Reducing the system pressure during distillation (higher vacuum) lowers the temperature at which the solvent distills. It is recommended to use the highest practical vacuum (lowest absolute pressure) to reduce the boiling point and enable the fastest possible solvent recovery. Typical operating values according to the applied vacuum:

Vacuum (mBar)	Oil temp. (°C)	Distillate temp. (°C)	Vapor outlet temp.
846	200	145	60
880	193	138	60
914	185	130	60
948	175	120	60

After distillation, no adjustment or balancing of the recycled material is necessary. However, it is recommended to compensate for process losses by adding a small amount of fresh BECASOLV.

Typical solvent recovery is around 80–90%, therefore it is necessary to add approximately 10–20% fresh product.

To verify that the regenerated product maintains suitable parameters, a refractometer can be used to measure the Brix value of the regenerated product, which should be 67 ± 2 for optimum performance.

Determination of Solid Content

The actual solid content level in the processor can be determined by measuring the flow time using a **DIN 53211 viscosity cup (2 mm)**.

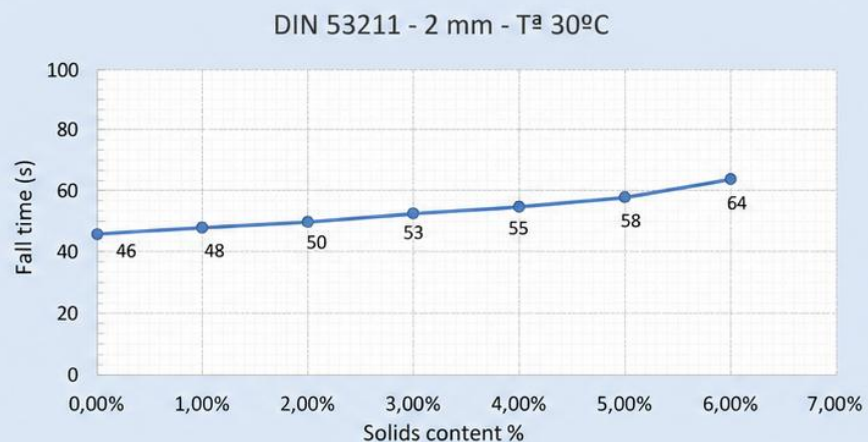


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DIN 53211 - 2 mm (T^a 30°C)

	% Solids	Fall Time
0	0,00%	46
1	1,00%	48
2	2,00%	50
3	3,00%	53
4	4,00%	55
5	5,00%	58
6	6,00%	64

Solids: $\% = (t - 46) / 2,245$



DIN 53211 - 2 mm (T^a 25°C)

	% Solids	Fall Time
0	0,00%	46
1	1,00%	49
2	2,00%	52
3	3,00%	55
4	4,00%	58
5	5,00%	62
6	6,00%	65

Solids: $\% = (t - 46) / 3,114$

