

Thermal Plate Developer Powder

CTP thermal plate developer is a special powdered chemical material used for developing CTP (Computer-to-Plate) thermal plates. Produced by many special technologies, our thermal plate developer powder has good dots reappearance and good dots protection ability. Greatly saved the transport cost, less developing sludge, big developing volume and fit for any thermal CTP plate developing by properly adjustment.

Package: one box contains 5 bags of powder + 5 bottles of paste = 100 liters of developer
19.6 kg water + 1 bag powder - stir for 5-10 minutes until completely dissolved +1 bottle paste (pre-melt in hot water) = 20 liters developer

Mixing Method:

1. Add 19.6 Liters clean water in a proper container which easy for mixing. Water temperature: 20 - 30 centigrade
2. Add one full bag of developer powder into the water, remember to take out the small bag glue material. Turn over the bag and wash it in water to make sure no powder retain in the bag.
3. Mix 5 - 10 minutes till the powder dissolved completely.
4. Add 1 bottle paste (pre-melt in hot water).
5. Keep mixing till all the chemicals dissolved completely and then can get 20 Liters ready to use thermal CTP developer.

Recommended Developing Settings:

Developing Temperature: 22 - 25 centigrade

Developing Time: 20 - 30 seconds

Replenishing Rate: 80 - 120 ml/m² and 80 - 120 ml/hour

Shelf life: 24 Months

Features:

- Quality assurance: using advanced technology to ensure stable and reliable development and washing effects
- Strong compatibility: suitable for a variety of printing equipment to meet your different printing needs
- Easy operation: easy to operate and easy to use, reducing the difficulty of manual operation
- High efficiency: fast development speed, can complete the development process in a short time.
- Stability: stable development effect, can ensure the quality of the printing plate.
- Environmental protection: compared with traditional developer, developer powder produces less waste during use and has less impact on the environment.

Precautions for use

- Developing conditions: When using CTP thermal plate developer, it is necessary to control the

developing temperature, developing time and other conditions to ensure the developing effect. Generally speaking, the developing temperature should be within the range recommended by the manufacturer, and the developing time should also be adjusted according to the characteristics of the plate and the concentration of the developer.

- Stirring and dissolving: The developer needs to be fully stirred and dissolved in an appropriate amount of water before use to form a uniform developer. During the stirring process, care should be taken to avoid excessive foaming to avoid affecting the developing effect.
- Replenishment and maintenance: During the developing process, the developer needs to be replenished regularly to maintain its concentration and activity. At the same time, it is also necessary to regularly clean the developing equipment and replace components such as the filter element to maintain the normal operation of the equipment and the stability of the developing effect.

Storage and transportation

- Storage conditions: CTP thermal plate developer should be stored in a dry, cool, well-ventilated place, avoiding direct sunlight and high temperature environment. At the same time, it is also necessary to avoid contact with flammable and explosive items.
- Transportation requirements: During transportation, the developer packaging should be intact and well sealed to avoid moisture, heat and extrusion.

