



Color Way HPW™ Series

WATER BASED

Technical Data Sheet

HPW-410 Foil-Resist White

Ready to print white ink with foil-resist properties.

HPW-415 Foil-Resist Base

Ready to print base with foil-resist properties.

PRINTER'S GUIDE

Mesh	43-61 t/cm (110-156 t/in)
pH Value	8.0 - 9.0
Coloring	3-5% by weight water based pigments
Curing Information	160-170°C (320-338°F) / 1.5 minutes for two times (If needed cure for a third time)
Press	@160°C (320°F) / 10-15 sec. / 3-4 bars
Storage	5-25°C (41-77°F). Avoid direct sun. Keep containers tightly closed when not using.
Cleanup	Clean with water or non-abrasive detergents.
Packaging	In 5kg buckets, 40kg plastic drums (HPW-410), 30kg drums (HPW-415).

PRINTING INSTRUCTIONS

It is advised to prevent leaving a thick layer of ink on the surface. After curing, the foil should be pressed at 160°C (320°F) for 3-4 seconds at 3-4 bars pressure. If HPW-410 Foil-Resist White still holds foil, it is advised to mix 1-2% PWB-F44 Fixing Agent.

Special Instructions: To increase the washing and abrasion fastnesses, 1% PWB-F44 Fixing Agent should be added. This also helps to increase the foil-resist property. For preventing the ink to clog the screen, 1-3% PWB-R10 Retarding Agent may be added. Whenever PWB-R10 is used, 1-2% PWB-F44 must be added too. HPW-410 and HPW-415 are intermixable.

HPW-510 Crackle White

Ready to print white ink to achieve a cracked print.

HPW-515 Crackle Base

Ready to print base to achieve a cracked print.

PRINTER'S GUIDE

Mesh	12-43 t/cm (30-110 t/in)
Coloring	3-5% by weight water based pigments
Curing Information	160-170°C (320-338°F) / 1.5 minutes for two times (If needed cure for a third time)
Storage	5-25°C (41-77°F). Avoid direct sun. Keep containers tightly closed when not using.
Cleanup	Clean with water or non-abrasive detergents.
Packaging	In 5kg buckets, 40kg plastic drums (HPW-510), 30kg drums (HPW-515).

Special Instructions: To increase the washing and abrasion fastnesses, 1% PWB-F44 Fixing Agent should be added. This also helps to increase the cracked print effect. For preventing the ink to clog the screen, 1-3% PWB-R10 Retarding Agent may be added. Whenever PWB-R10 is used, 1-1.5% PWB-F44 must be added too. HPW-510 and HPW-515 are intermixable. To achieve a better crack print, it is advised to print-flash-print and form a thick layer of ink deposit.

* All recommendation and statements made, if any, are based on Renk Yolu Kimya's research and experience. However, since Renk Yolu Kimya has no control over the conditions of use or storage of the product sold, Renk Yolu Kimya cannot guarantee the results obtained through the use of its products. All products are sold and samples given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purpose. This applies also where protective rights of third parties involved. It does not release the user from the obligation to test the suitability of the product for the intended purpose and application.

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