



* Koreseal Primer KP9960-BLACK(H) is a primer for moisture-curing type body which is applied to the coated steel sheet and strengthens the adhesive strength between DGU product which is sealant for automobile glass and painted steel plate. It is a product used for exterior of automobile.

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| Recommended use | * Koreseal Primer KP9960-BLACK(H) is a component of a glass adhesion system consisting of a primer for glass, a body primer and a urethane adhesive. It is applied to the flange area of the car body before applying the adhesive to strengthen the adhesion between the coated steel sheet of automobile body and the sealant for automobile glass. |
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Physical Properties

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| Key Performance | <ul style="list-style-type: none"> * It is easy to use because it is cured by moisture in the air. * It has strong adhesive strength and peel strength. * Excellent in water resistance, chemical resistance and durability. * Excellent weather resistance, ozone resistance, heat aging resistance. * Coating forms a strong coating on the steel sheet. * Excellent adhesion. |
| Physical properties | <ul style="list-style-type: none"> * Main component: Polyurethane resin * Hardening method: One-pack moisture curing type * Appearance: Black solution * Solid: 16 ~ 28% * Viscosity: 8 ~ 18 seconds (Ford Cup # 4) * Pot life: 1min ~ 24 hours * Coating condition: uniform film formation |

Application details

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| Application Method | <p>* Primer for body KP9960-BLACK(H) should be used after stirring to ensure uniform dispersion of the solid content. The agitation cycle and minimum agitation time for each type of agitator are as follows.</p> <ol style="list-style-type: none"> 1) Shaker: stirring cycle (1 second) / stirring time (60 minutes) 2) Tumbler: stirring cycle (20 RPM) / stirring time (90 minutes) 3) Roller: stirring cycle (28RPM) / stirring time (8 hours) <ul style="list-style-type: none"> * Before applying the product, wet the degreasing agent with unleaded gasoline or isopropyl alcohol to remove the dust, oil, fingerprints and other contaminants attached on the surface (coated steel sheet). * Please apply primer by using appropriate tools such as automatic dispensing device, brush and so on. * Apply KP9960-BLACK(H) thinly and uniformly with a brush etc. to the painted steel plate. (Please apply enough primer so that coverability can be ensured.) * After applying KP9960-BLACK(H) for at least 1 minute, proceed to the next step. Also, apply DGU sealant |
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within a maximum of 24 hours. (The minimum drying time of KP9960-BLACK(H) may vary depending on the temperature / humidity of the workplace.)

* About 8 hours to cure, so early (20 °C, relative humidity 65% basis) this takes careful not subjected to external forces on the glass until the initial curing is achieved.

* Final curing time after applying KP9960-BLACK(H) will take five days (20 °C, relative humidity 65% basis). And final properties and implementation will take seven days (20 °C, relative humidity of 65% basis).

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| Cleaning method | <p>* Alcohol solvents can be used if cleaning is required, within 1 minute, or until chemical reaction with the surface is complete.</p> <p>* If you wash your hands, you can rub it with a warm water or soapy water in a minute with a scrubber.</p> |
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Storage and package

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| Shelf life | * When stored according to the manufacturer's instructions, the shelf life of the product is unopened for 6 months (at 5 ~ 25 °C when stored dry) |
| Storage | * Koreseal Primer KP9960-BLACK(H) is a moisture-sensitive product packed in a dry container filled with nitrogen. After opening, contact with air will cause hardening, so please use the product as much as possible. If there is a residual amount in the container, please keep it sealed. Storage conditions should be kept in a refrigerated condition at low temperature (5 ~ 25 °C) / low humidity. When reused after refrigerated storage, store at room temperature for 2 hours to avoid condensation. If frozen, please avoid the condensation. |
| Packing Unit | * Koreseal primer KP9960-BLACK(H) is supplied in 141ml / bottle or can, 0.7L / can container. |

Remarks

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| Handling Precautions | <p>* Primer products contain volatile solvents. Avoid high temperatures / heating / flames during storage and handling. Use personal protective equipment (organic solvent mask) in well ventilated areas to avoid inhalation of volatile components.</p> <ol style="list-style-type: none">1) In case of inhalation, immediately go out of the workplace and breathe deeply from the outside.2) In case of contact with eyes, rinse with running water for at least 15 minutes, and then visit a medical institution to take measures.3) In case of contact with skin, rinse thoroughly with running water, and then visit a medical institution.4) For more details, please refer to Material Safety Data Sheet (MSDS). <p>* Completion of expiration of the opened product within 8 hours under continuous operation.</p> <p>* Koreseal glass primer KP9965-BLACK - Please do not use it as confused with black product.</p> |
| Note | * Please refer to "Primer management plan" for details of product usage and precautions. |
| 1'st issue | 2017-01-25 |
| Revision | 2019-08-26 |

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

