



TECHNICAL DATA SHEET

KA0991 Water based Impregnator

Description: waterborne impregnating agent, for exterior wood - chestnut-

Main Use: application by spraying, brush or flow coating on frames

Properties: pore wettability: excellent - resistance to uv rise: excellent

| | Technical Data | |
|---------------------|--------------------------------|--------------------------|
| Binders | | |
| Pigments, Extenders | | |
| Solvents | | |
| Viscosity | 10 (\pm 1) | s Ford Cup 4 at 20°C |
| Density | 1,02 (\pm 0,03) | kg/l |
| Flatness | | Gardner 60° |
| Flashpoint | non infiammabile/not flammable | Method: Closed cup |
| Solid content | 14 (\pm 1) | % by weight |
| Storage stability | 6 months | at 5°C ÷ 35°C |
| Working temperature | | Coating, objects and air |

| Product Preparation | | | | | | | | | |
|---------------------|-----------------------|-------------|-------------|------------------------|-------------|-------------|--|-------------|-------------|
| | Low Pressure Spraying | | | High Pressure Spraying | | | | % by weight | % by volume |
| | | % by weight | % by volume | | % by weight | % by volume | | | |
| Photoinitiator | | | | | | | | | |
| Catalyst | | | | | | | | | |
| Accelerator | | | | | | | | | |
| Additive | | | | | | | | | |
| Thinner | | | | | | | | | |
| Reticulator | | | | | | | | | |
| Pot-Life | | | | | | | | | |
| Mix. Viscosity | | | | | | | | | |

| Technical Information | | | |
|-----------------------|-------|------|--|
| | 20° C | 50°C | g/m ² |
| Overcoating | 4 h | | |
| Touch dry | 1 h | | 6 ÷ 12 m ² /L (per immersione o flow coating) |
| | | | |

Data shown are mean values and cannot be construed as product specifications. Users are advised to make their own tests to determine the suitability of products for their own purposes.

MANUFACTURED BY

Sherwin-Williams Italy Coatings Srl | via Voltorno 96 | 41032 Cavezzo (Modena) | Italia
 tel. +39 0535 615611 | telefax +39 0535 49055 | italy.coatings@sherwin.com | www.beckeracroma.com/it
 Società soggetta a direzione e coordinamento da parte di The Sherwin-Williams Company, USA

IMPORTED AND MARKETING BY: BERGER PAINTS INDIA LIMITED,

Berger House, 129 Park Street, Kolkata - 700 017



TECHNICAL DATA SHEET

KA1991 Exterior water based sealer

Description: Waterborne transparent colourless one-component thixotropic primer for exterior

Main Use: window frame, joinery for exterior

Properties: coverage: very good - transparency: good - application on vertical surfaces: very easy - sandability: good

Technical Data

| | | |
|----------------------------|---|--|
| Binders | Acrylic/polyurethane resins in dispersion and/or emulsion | |
| Pigments, Extenders | | |
| Solvents | Glycolethers | |
| Viscosity | 27.000 ± 3.000 | cps Brookfield Spindle 5 at 2,5 rpm a 20°C |
| Density | 1,02 (± 0,03) | kg/l |
| Flatness | | Gardner 60° |
| Flashpoint | Non infiammabile/not flammable | Method: closed cup |
| Solid content | 33 (± 1) | % by weight |
| Storage stability | 6 months | at 5°C ÷ 35°C |
| Working temperature | 5°C ÷ 35°C | Coating, objects and air |

Product Preparation

| | manual spraying, robot, electrostatic | | airless, airmix | | | |
|-----------------------|---------------------------------------|-------------|-----------------|-------------|--|--|
| | % by weight | % by volume | % by weight | % by volume | | |
| Hardener | | | | | | |
| Photoinitiator | | | | | | |
| Catalyst | | | | | | |
| Accelerator | | | | | | |
| Additive | | | | | | |
| Thinner | acqua/water | 5-10 | acqua/water | 5-10 | | |
| Reticulator | | | | | | |
| Pot-Life | | | | | | |
| Mix. Viscosity | | | | | | |

Technical Information

| | 20° C | 50° C | g/m ² |
|--------------------|-------|-------|----------------------|
| Overcoating | 24 h | 8 h | 150-225 micron umidi |
| Touch dry | 4 h | 2 h | |

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TECHNICAL DATA SHEET

KA2991 Exterior water based top coat

Description: waterborne clear one-component thixotropic top coat for exterior wood

Main Use: window frame, joinery for exterior

Properties: transparency: good, easy application on vertical surfaces, wettability: good, blocking resistance: good

| Technical Data | | |
|---------------------|--------------------------------|--|
| Binders | acrylic emulsions | |
| Pigments, Extenders | | |
| Solvents | glycolethers | |
| Viscosity | 48.000 (± 3.000) | cps Brookfield Spindle 5 at 2,5 rpm a 20°C |
| Density | 1,04 (± 0,03) | kg/l |
| Flatness | 30 | Gardner 60° |
| Flashpoint | non infiammabile/not flammable | Method: closed cup |
| Solid content | 34 (±1) | % by weight |
| Storage stability | 15 months | at 5°C ÷ 35°C |
| Working temperature | 5°C ÷ 35°C | Coating, objects and air |

| Product Preparation | | | | | | | | | | |
|---|------------------|-----|-------------|--|------------------|-----|-------------|--|-------------|--|
| manual spraying, robot, electrostatic airless, airmix | | | | | | | | | | |
| | % by weight | | % by volume | | % by weight | | % by volume | | % by weight | |
| Hardener | | | | | | | | | | |
| Photoinitiator | | | | | | | | | | |
| Catalyst | | | | | | | | | | |
| Accelerator | | | | | | | | | | |
| Additive | | | | | | | | | | |
| Thinner | H ₂ O | 3-5 | | | H ₂ O | 2-3 | | | | |
| Reticulator | | | | | | | | | | |
| Pot-Life | | | | | | | | | | |
| Mix. Viscosity | | | | | | | | | | |

| Technical Information | | | |
|-----------------------|-------|-------|------------------|
| | 20° C | 50° C | g/m ² |
| Dry for stacking | 24 h | 24 h | 250 ± 50 |
| Touch dry | 4 h | 2 h | 250 ± 50 |
| | | | |
| | | | |

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TECHNICAL DATA SHEET

KA3991/KA4991/KA6991 Water-based multicoat

Description: Waterborne clear one-component multicoat

Main Use: Turned parts, flat panels, doors, frames

Properties: Pore marking: excellent; Transparency: good; Smoothness to the touch: good; Hardness: good

| | Technical Data | |
|----------------------------|-------------------------------|--------------------------|
| Binders | acrylic emulsions | |
| Pigments, Extenders | silica, waxes | |
| Solvents | glycoethers | |
| Viscosity | 40 ± 5 (90 gloss: 60 ± 5) | s DIN 4 at 20 °C |
| Density | 1,030 ± 0,030 | kg/l |
| Flatness | 5-10-20-30-50-70-90 | Gardner 60° |
| Flashpoint | non inflammable/not flammable | Method: Closed cup |
| Solid content | 24 ± 2 | % by weight |
| Storage stability | 15 months | at 5°C ÷ 35°C |
| Working temperature | >15°C | Coating, objects and air |

| Product Preparation | | | | | | | | | |
|-----------------------|-----------------|-------------|-------------|--------------------------------|-------------|-------------|--|-------------|-------------|
| | Manual spraying | | | Electrostatic, airless, airmix | | | | % by weight | % by volume |
| | | % by weight | % by volume | | % by weight | % by volume | | | |
| Hardener | | | | | | | | | |
| Photoinitiator | | | | | | | | | |
| Catalyst | | | | | | | | | |
| Accelerator | | | | | | | | | |
| Additive | | | | | | | | | |
| Thinner | water | 0 - 5% | | water | 0 - 5% | | | | |
| Reticulator | | | | | | | | | |
| Pot-Life | | | | | | | | | |
| Mix. Viscosity | | | | | | | | | |

| Technical Information | | | |
|-------------------------|----------|--|------------------|
| | 20° C | | g/m ² |
| Dust free | 20 min | | 100 |
| Touch dry | 60 min | | 100 |
| Dry for stacking | 24 hours | | 100 |

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TECHNICAL DATA SHEET

KA7991/KA8991

Description: Latex for interior floor varnish

Main Use: Wood

Properties: Fast curing - transparency: good - surface hardness: very good

Technical Data

| | | |
|----------------------------|---|----------------------|
| Binders | acrylic resin in dispersion, polyurethane resin in dispersion | |
| Pigments, Extenders | matting agents | |
| Solvents | | |
| Viscosity | 40 (± 10) | s Ford Cup 4 at 20°C |
| Density | 10,03 (± 0,03) | kg/l |
| Flatness | vedi listino/see price list | Gardner 60° |
| Flashpoint | non infiammabile/not flammable | Method: Closed cup |
| Solid content | 30 (± 1) | % by weight |
| Storage stability | 6 months | at 5°C - 35°C |
| Working temperature | Coating, objects and air | |

Product Preparation

| | Low Pressure Spraying | | High Pressure Spraying | | Curtain Coater | |
|-----------------------|-----------------------|-------------|------------------------|-------------|----------------|-------------|
| | % by weight | % by volume | % by weight | % by volume | % by weight | % by volume |
| Hardener | | | | | | |
| Photoinitiator | | | | | | |
| Catalyst | | | | | | |
| Accelerator | | | | | | |
| Additive | | | | | | |
| Thinner | | | | | | |
| Reticulator | | | | | | |
| Pot-Life | | | | | | |
| Mix. Viscosity | | | | | | |

Technical Information

| | 20° C | 50°C | g/m ² |
|-------------------------|----------|--------|------------------|
| Dry for stacking | 24h | | 100 - 120 |
| Drying | 6 - 12 H | 90 min | |

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