

Astec Specification Sheet

a-Spec

Hebel® Panels Exterior and Interior

APA

Project Details

Category: Heat Reflective, Elastomeric Decorative, Protective

Site	Area	m2	Site Address
Construction Company		Project Manager	
Reference Number		Date	
Certifier		Contractor	
Substrate: Hebel®		Premium: YES	Trade: DIY:
New or Repaint: New		Interior/Exterior: Ext	



Specifications

Surface Preparation:

1. Ensure all fastening has been completed by the sheet installer and that the fastener spacing is as specified in the latest Hebel® installation manual. If unsure check with the Builder or Architect.
2. Ensure that all fasteners used are **corrosion resistant** as the use of incorrect fasteners will result in rust bleed through the texture system at a later date. If unsure check with the Builder or Architect.
3. Ensure all expansion joints are completed and masked off. The texture system must not cover the sealants.
4. Install stainless steel corner angles with corrosion resistant fasteners or PVC corner angles.
5. In seafront applications the texture system should be applied immediately after the sheet installation to avoid the accumulation of salts on the sheet and fasteners. Salts can have an adverse effect on the long-term corrosion resistance of the fasteners.
6. If the sheet has been allowed to stand unprotected in a coastal environment, the sheet should be thoroughly washed with clean water from the top down, allowed to dry and then immediately coated with Astec Rapidseal. Rapidseal apart from sealing the sheet will stop any further direct salt contamination of the fasteners until the texture system is complete. The texture system should be applied immediately after the Rapidseal has dried.
7. The texture system must be done within 90 days of Hebel® installation.
8. The sheet and subsequent texture system must not be installed so as to allow contact with standing water.
9. For absolute beachfront applications that will be subjected to constant salt spray a texture finish manufactured with 100% pure marble aggregates or 100% acrylic polymer aggregate free textures are most suitable. The system must be top-coated with only waterproof membranes to ensure the long-term watertight performance of the system.
10. The use of Energy Star Infrared Reflective wall finishes will allow for deeper tones to be used on Hebel® while maintaining an LRV of less than 40% as specified in the latest Hebel® installation manual. Energy Star will reduce the surface temperature of the Hebel® and therefore reduce thermal movement in the sheet.
11. The use of Energy Star on Hebel® will optimise the life of the sheet and minimise the normal movement and related stresses experienced from thermal expansion and contraction.

Cleaning:

1. All surfaces must be structurally sound, clean, and free from surface contaminants such as, dirt, dust, oils, grease, silicones and release agents.
2. Remove solid contaminants such as mortar splash with a wire brush or scraper.

Sealing of expansion joints:

1. Apply two coats of Astec Multi-seal over the polyurethane expansion joints. Multi-seal will act as a barrier to plasticizers that can migrate from the sealant to the top-coats and cause staining and premature dirt pick-up.

1 st coat: Rapidseal (if unprotected in a coastal environment)

Application: Brush/Roll	Spread Rate m2/litre: 3.5-5.0
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Reducer/Wash-up: Water	Recoat Time Hours: 1
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Application notes: *Read product technical data sheet.*

Rapidseal is a 100% acrylic, water reducible sealer and "dash coat" supplied ready for use straight from the drum.

The product is applied by roller or brush to the Hebel® to seal the panels, reduce suction.

Apply one uniform coat to the entire panel ensuring complete edge and sheet cover is achieved.

2nd coat: Hebel® Coat Ezy Float FR

Application: Hawk and Stainless Steel Trowel	Spread Rate: 1.68 m2 @ 1mm thickness
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Reducer/Wash-up: Water	Recoat Time Hours: 8
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Application notes: *Read product technical data sheet.*

The application of Ezy Float FR across the entire panels over coated with a 1mm texture such as Armatex Pastina will achieve a desired build of 2.2 mm.

Apply one coat of Ezy Float FR with the addition of 3.6 to 4L per 20Kg bag. Apply the coat with a tall trowel angle spreading the material to a desired depth of it's minimum aggregate size of 1.1 mm.

Allow the product to stand for a short period, allowing for surface moisture to stabilize then any remaining ridges can be smoothed by float finishing with a high density blue polystyrene foam float.

The application should occur in two passes, a tight first pass followed by a second levelling pass.

3rd coat: Armatex Textures

Application: Trowel/Roll/Spray	Spread Rate m2/litre: Refer Coverage Rates Below
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Reducer/Wash-up: Water	Recoat Time Hours: 2-4
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Application notes: *Read product technical data sheet.*

Armatex Textures are 100% acrylic, water reducible texture pastes that are supplied in a ready to use form. They are available in a variety of different profiles that are manufactured from a blend of carefully graded aggregates, and

Astec second generation acrylics. They form a flexible film with outstanding exterior durability that is strongly adhered and extremely well bound and will not crumble even when feathered to a very fine edge.

Armatex offers a range of texture profiles that can be either Trowel, Rolled or Sprayed on to a suitably prepared vertical wall where the final result is a unique heat reflective textured finish that transforms concrete, brick, fibro and many other construction materials into a decorative rendered wall appearance.

1. Select a texture with minimum profile of 1mm for use over the specified render options.

EXAMPLE 1mm Minimum Profiles;

Pastina Trowel On (finish with plastic or foam float)
 R-40 Roll On (Medium Texture Cover)
 Tuscany Trowel On (finish with plastic or foam float)
 R-50 Roll On (Medium Texture Cover)
 Medium Stone Trowel On (finish with plastic or foam float)
 R-50 Roll On (Hopper Gun)
 Sirocco Roll On (Medium Texture Cover)

TEXTURE COVERAGE RATES;

The chart below is only a partial list of the textures available, consult Astec for further options and their individual data sheets.

Texture Name	m ² / ltr	m ² per 15 ltr tub
Pastina Trowel On	1.0	15.0
Tuscany Trowel On	1.0	15.0
Medium Stone Trowel On	0.9	13.5
1mm Trowel On	1.10	16.5
2mm Trowel On	0.50	7.50
Light Stone Trowel On	1.25	18.75
R-50 Roll On (Medium Texture Cover)	1.47	22.05
9mm Roll On (Coarse Texture Cover)	0.55	8.25

4th coat: Energy Star Dirtguard I.R. Elastic or EC-2000

Application: Brush/Roll / Spray-Roll. Spread Rate m²/litre: 4.5-5.5
 Use 9-20mm synthetic roller covers. Do not use lambs wool covers.

Reducer/Wash-up: Water Recoat Time Hours: 2-4

Application notes: *Read product technical data sheet.*

Energy Star Dirtguard I.R. Elastic is an Infrared Heat Reflective, **Crack Bridging** 100% acrylic, elastomeric waterproof membrane designed for the long term protection, durability and aesthetics of masonry walls. EC-2000 exhibits outstanding exterior durability and possesses the excellent elasticity and elongation properties necessary to bridge continually moving cracks without itself cracking or wrinkling.

1. To ensure a uniform result and eliminate the potential for "edge banding" always cut in the wall as you go. Do not cut in too far ahead so as to lose the combined wet edge with the area being rolled.
2. With a small stiff brush cut in the first 5mm then roll over the same area with an 80 mm roller loaded with product. Immediately roll the wall up to and over the cut in area so as the two wet edges can flow together.
3. Ensure that the roller covers used for both cutting in and rolling the wall are of the same profile and brand.
4. Apply one uniform coat to the entire wall ensuring good edge cover is achieved.

5th coat: Energy Star Dirtguard I.R. Elastic

Application: Brush/Roll / Spray-Roll. Use 9-20mm synthetic roller covers. Do not use lambs wool covers.	Spread Rate m ² /litre: 4.5-5.5
Reducer/Wash-up: Water	Recoat Time Hours: 2-4

Application notes: *Read product technical data sheet and prior notes for first coat application.*

1. Apply one uniform coat to the entire wall ensuring good edge cover is achieved.

Application Notes

1. Read product technical data sheet for all products that form part of this coating system.
2. Primer coats should be applied by brush and or roller or spray then rolled to work the primer coat well into the surface.
3. Do not commence product application when Relative Humidity is above 85%
4. Do not commence product application when the temperature is within 3°C of Dew Point.
5. Do not apply paint if the air or surface temperature is below 10°C or likely to fall below 10°C during the application and or drying period.
6. This is an abridged specification and must be read in conjunction with all preparation and application specifications on the Astec Technical Bulletins that relate to the products as specified.

NOTE COVERAGE RATES; The coverage rates on this specification supersede all other coverage rates expressed or implied by law or practice including coverage rates specified in any other Astec data sheets, labels, advertising literature or verbal statements made by Astec, its representatives or anyone associated with the sale of Astec products.

Disclaimer;

The technical data is based on data believed by Astec Paints to be true and accurate at the time of writing, however, no guarantee of accuracy is given or implied and subject to change without notice. This information is given in good faith for the assistance of users. All warranties express or implied are excluded and Astec makes no representation as to the accuracy, completeness or otherwise of the technical data. Every user dealing with Astec products should take their own responsibility to ensure their own independent determination of suitability and compliance to ensure their proper use. Astec has no control over the condition under which the products are stored, handled, used or applied, therefore our recommendations do not amount to a legal warranty and Astec accepts no responsibility if the recommendations are not followed or complied with.

The coverage rates are given in good faith for guidance only of users, however, coverage rates can vary with substrate porosity, profile, application techniques and loss factors from spray application. Astec accepts no responsibility for any variation in coverage rates arising from factors beyond its reasonable control. Where product volumes are critical to the project, conduct a test patch that includes all application techniques to be used on the final substrate to determine the exact coverage rates before commencement of the project.