

VERSION 1.0



SAGIREV TECHNICAL DATA SHEET

SAGIPER NORTH AMERICA INC.
13179 156 STREET NW
EDMONTON, AB, CANADA T5V1V2

SAGIREV

WHAT IS SAGIREV?

Maintenance free tongue & groove corrugated PVC planks wrapped in a high quality, highly durable exterior vinyl coating that is used for exterior soffits or interior walls/ceiling applications.

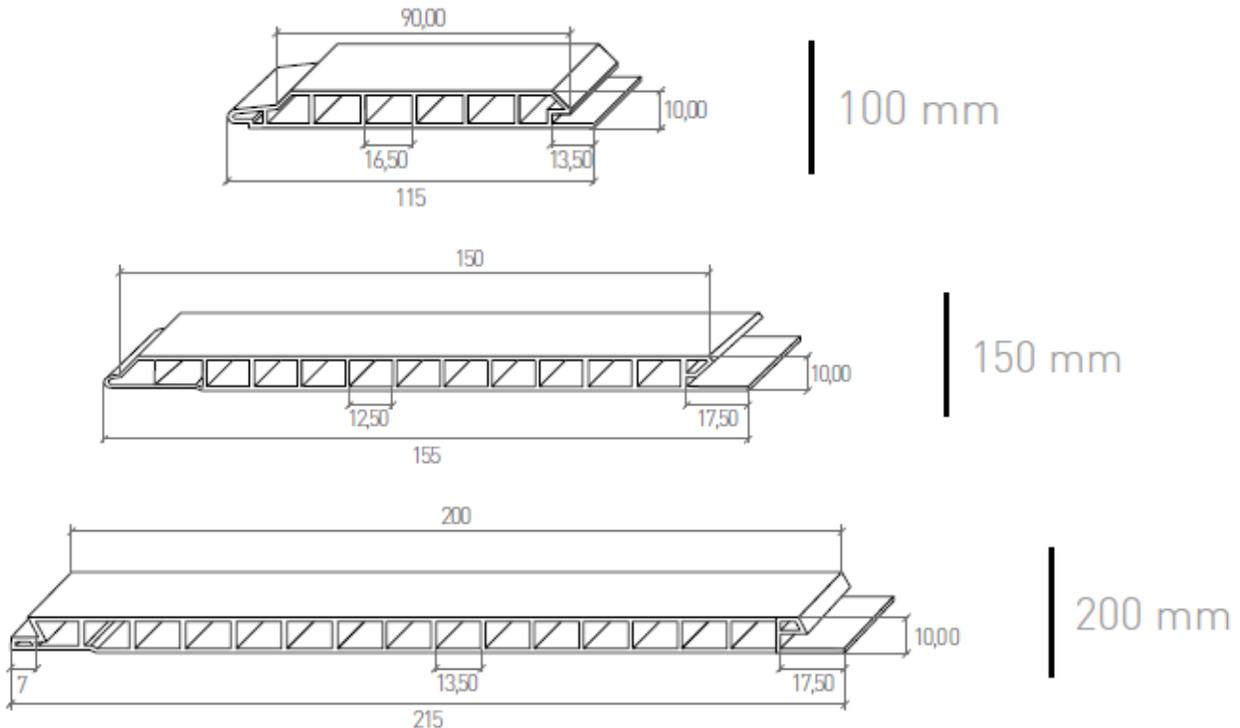
SAGIREV comes in 28 different finishes. Fifteen (15) different “exterior” finishes that provide a slightly textured natural wood look, thirteen (13) metallic finishes providing solid and wood grain finishes with a metallic sheen.

SAGIREV PROFILES AND ACCESSORIES

PROFILE

SAGIREV comes in 4 standard profiles: 4” Channeled, 4” V-Groove, 6” V-Groove and 8” tongue and groove. All panels come in standard 12 and 19 ft lengths.

Note: Panels can be customized to any required length.

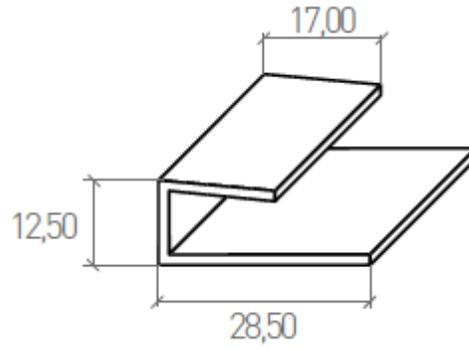


ACCESSORIES

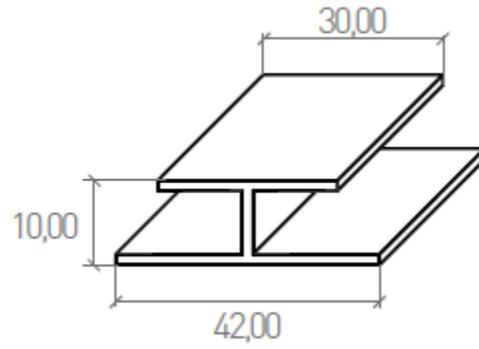
SAGIREV accessories are PVC wrapped in the same vinyl to match the panels. The accessories are used to complete the installation for outside/inside corners, window and door trims etc. The standard length for all accessories is 12 and 19 ft.

Note: All measurements shown are in mm.

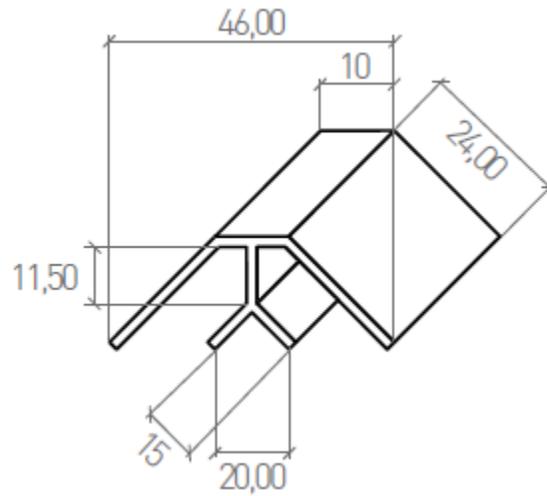
1. J-Mold



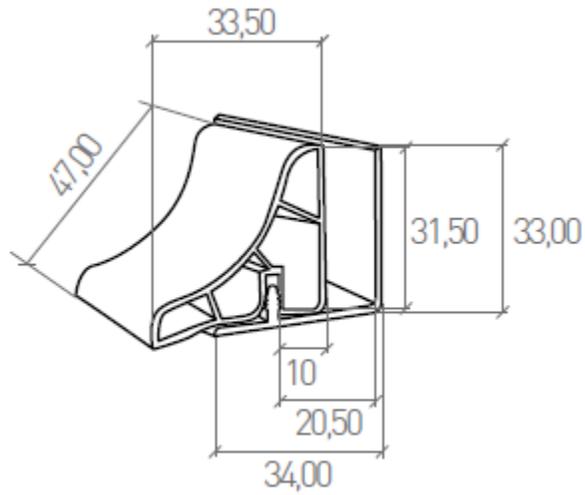
2. H-Mold



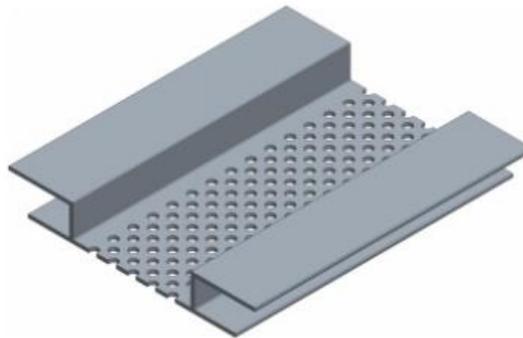
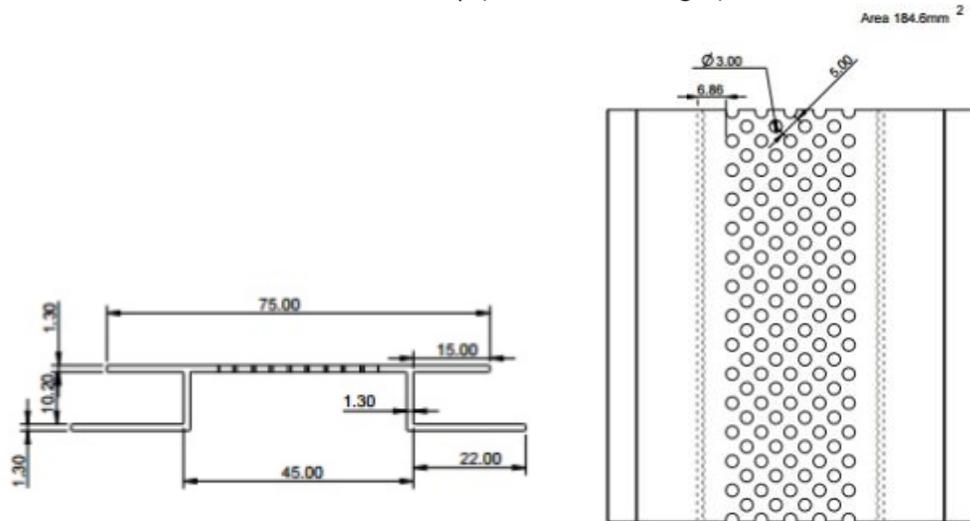
3. Outside Corner



4. Clip Crown Molding (2 Piece: PVC Base and PVC End Cap)



5. Vent Strip (12' standard length)



SAGIREV FINISHES

SAGIREV comes in 28 different finishes. Fifteen (15) different “exterior” finishes that provide a slightly textured natural wood look, thirteen (13) metallic finishes providing solid and wood grain finishes with a metallic sheen.

Exterior Finishes:

REF 1: Blonde Oak	REF 2: Port Redwood	REF 3: Chocolate Blackwood
REF 4: Espresso Blackwood	REF 5: White Oak	REF 6: Hazel Oak
REF 7: Brazilian Redwood	REF 8: Caramel Cedar	REF 9: Caramel Zebrawood
REF 10: Cherry Zebrawood	REF 11: Pine Zebrawood	REF 12: Titanium Coalwood
REF 13: Light Maple	REF 14: Walnut Blackwood	REF 50: Absolute Silver

Metallic Finishes:

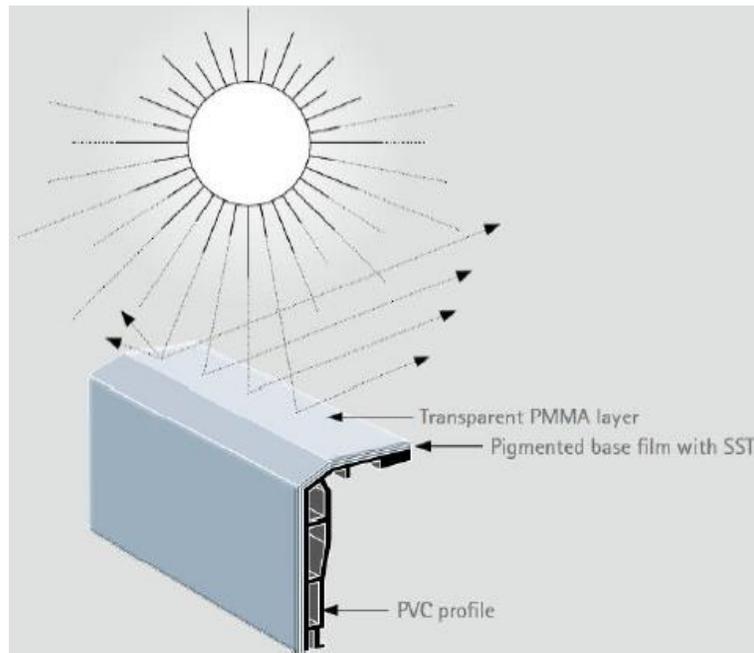
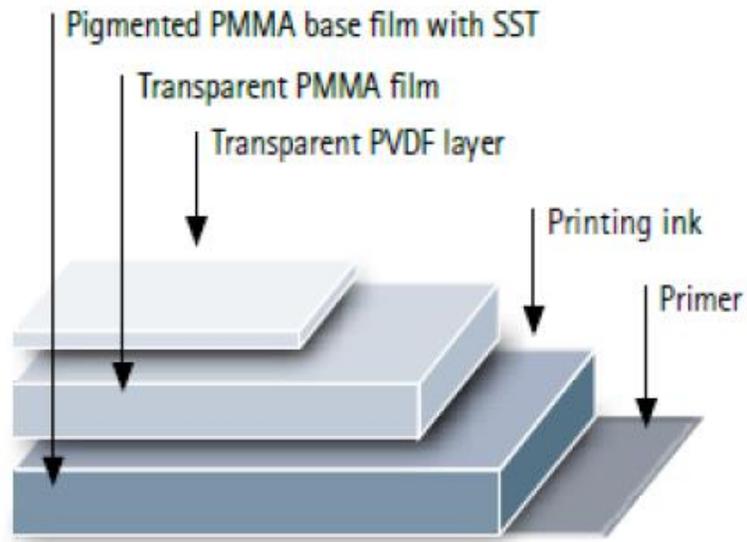
REF 60: Absolute White	REF 70	REF 71
REF 72	REF 73	REF 74
REF 75	REF 76	REF 77
REF 78	REF 79: Knotty Maple	REF 80: Mocha Redwood
	REF 81: Chestnut Blackwood	

SAGIREV BENEFITS AND UV PROTECTION

SAGIREV has the following benefits:

- Maintenance Free.
- Highly durable exterior vinyl that can be used in many different applications such as: Soffits, covered decks, front veranda areas, interior ceilings (basements, bathrooms, coffered ceilings), interior walls (featured walls) etc.
- Highly durable exterior vinyl film repels dirt and is easy to clean. Even graffiti is easily removed.
- Class A Fire Rating – CAN/UL S102.2 tested. Less than 25 flame spread rating.
- Water absorption 0.04%. Perfect for high humidity areas and ideal near the coastline where sea-spray is often the culprit of corrosion to exterior metals and woods.
- Impenetrable to insects.
- Easy installation – tongue and groove.
- Reflecting more than 97% UV radiation from penetrating the PVC core increasing its longevity.
- Exterior vinyl color will never fade, only the sheen look will slightly dull over the years.

One of the key benefits to our SAGIREV product line is our exterior vinyl. This vinyl offers Solar Shield Technology (SST) which helps provide protection from excessive temperature increases. It acts as a protective shield for the entire component. Pigments in the colored base film reflect infrared radiation, thereby substantially reducing the build-up of heat in the profile. SST slows down the ageing process and prolongs the life of the PVC core. The layer is made of polymethylmethacrylate (PMMA), able to withstand the vigorous Canadian climate changes and able to reflect more than 97 percent of UV radiation.



SAGIREV TECHNICAL INFORMATION

<u>Material</u>	<u>PVC Lengths</u>	<u>Accessories</u>
PVC (Polyvinyl Chloride)	Stocked 12' and 19'. Can be customized to any length.	Stocked 12' and 19'. Can be customized to any length.
<u>Linear Expansion Coefficient</u>	<u>H Sphere Hardness</u>	<u>Shear Load Resistance @ 23° C</u>
$8 \times 10^{-5} \text{ K}^{-1}$ Approx. 3/4" contraction on a 50° C temperature swing installed at 20° C > -30° C @ 19' length panels. 5/8" contraction on a 12' length panel at same temperature swing	120 N/mm ²	5.5 KJ/ m ²
<u>Flex Resistance</u>	<u>Water Absorption</u>	<u>Fire Rating</u>
92 N/mm ²	0.04%	Class A – Less than 25 flame spread CAN/UL S102.2 Tested

SAGIREV INSTALLATION

SAGIREV can be installed as your typical soffit. The panels are tongue and groove providing the end user with an easy installation equipped with your standard J and H molds. If soffit is being installed adjacent to the home or commercial building butt joints are not recommended. One continuous seam concealed by and H-Mold must be used to complete runs longer than the panel length.

Pan Head wafer screws are highly recommended for fastening the panels to the substrate.

It is also recommended not to install SAGIREV in extreme cold temperatures colder than -10 degrees Celsius.

Standard lengths should also be left between the panel and the end of the overlapping J or H-Mold depending on the temperature to allow for natural expansion and contraction (refer to technical information above).

Note: See SAGIREV installation guide for exact instructions.

SAGIREV VINYL PATTERN REPEAT

The SAGIREV vinyl pattern repeats every 4 feet or 48 inches across a 1 meter wide sheet. This means that the repetition patterns at times will not appear in the same section on the surface depending on the production run giving the panel's significant variation. To maximize grain variation it is recommended to mix bundles during the installation.

SAGIREV CARE AND REPAIR

SAGIREV Maintenance is very simple, needing only a sponge or damp cloth to clean. Soap or some type of non-abrasive cleaning product may also be used to remove dirt or grime. In areas where cuts in the aluminum are made El mitre cuts or joint, the application of a sealant is recommended to prevent possible oxidation in that area.

When a physical damage occurs the entire SAGIREV panel must be replaced. All finishing trims must be removed and all individual planks must be taken until the damaged panel is reached. Once damaged panel is removed replace with a new one and reinstall existing panels with new trims.

Repair pens are available to touch up minor scratches and abrasions.

SAGIREV WARRANTY

For all products purchased or delivered hereunder, Sagiper North America Inc., warrants they are free from defects of workmanship and/or material caused by accidental breakage due to maintenance, abusive use, natural or unnatural forces. The manufacturer, Sagiper Lda., will, however, warranty any material discoloration, warping and or vinyl peeling for a period of time from the date of purchase as noted hereafter:

- SAGIREV Interior Application PVC Panels – **Lifetime**
- SAGIREV Exterior Application PVC – **15 years** unless otherwise noted.
 - Vinyl peeling, fading and/or discoloring.
 - PVC core warping, and/or splitting.