

TeckWrap® Color Change Film

Technical Data Sheet

HIGH-PERFORMANCE HYBRID CALENDERED SELF-ADHESIVE FILMS

- General Information
- Physical Properties
- 180° Peel Strength (Test Method)
- Film Removal
- General Recommendations
- Durability Information
- Related Documents

180 SERIES

TeckWrap 180 series is a polymeric calendered vinyl film available in various colors and finishes. Depending on the type, films are supplied with plastic or paper release liner with a uniform grid pattern. The roll is secured with three fasteners. The films of the 180 series are to be used in mid-term outdoor applications.

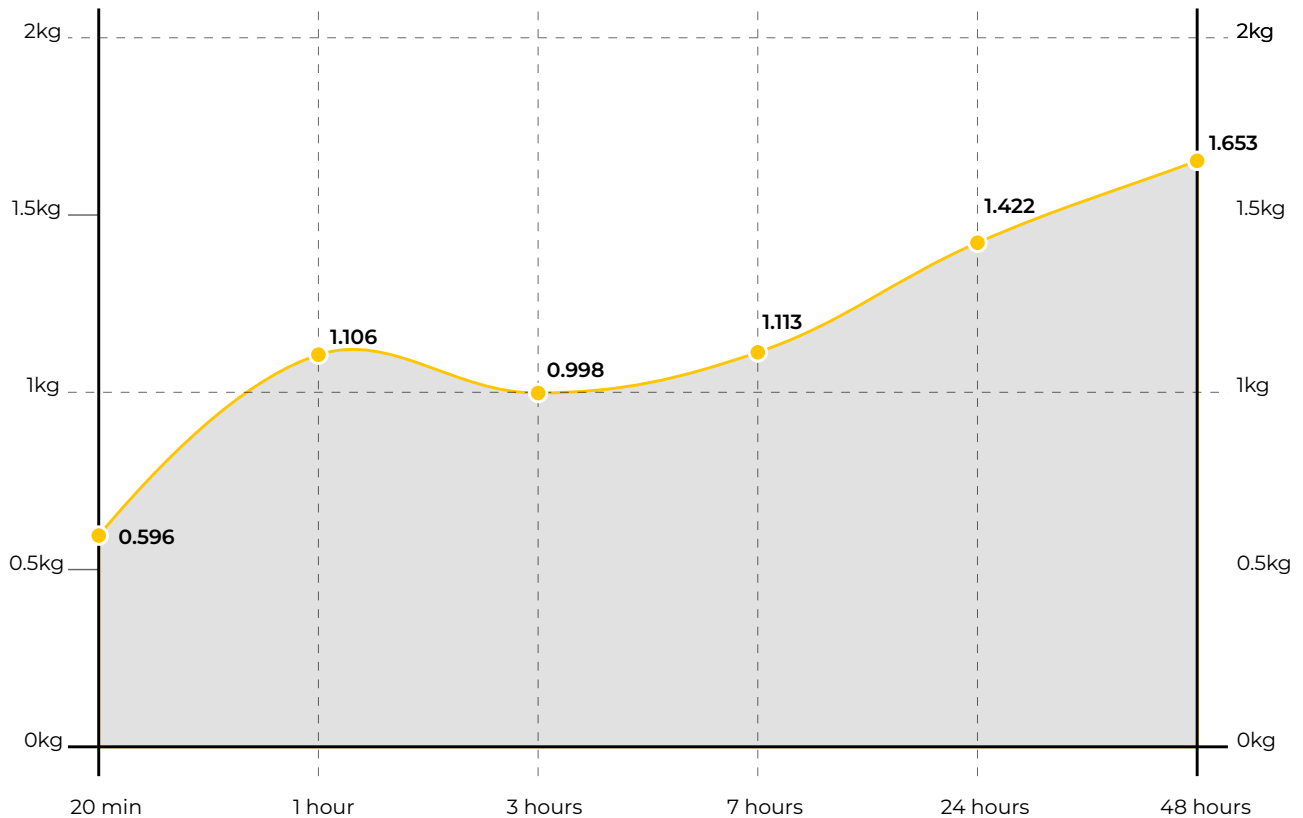
190 SERIES

TeckWrap 190 series is a polymeric calendered vinyl film available in various colors and finishes. Depending on the type, films are supplied with plastic or paper release liner with a uniform grid pattern. The roll is secured with three fasteners. The films of the 190 series are to be used in long-term outdoor applications.

BASIC PHYSICAL PROPERTIES

FEATURE	PROPERTIES
Film	High-performance hybrid calendered self-adhesive film
Finish	Gloss, Matte, Chrome, Satin, Structured
Adhesive	Henkel solvent polyacrylate, medium initial adhesion, cure time 48 hours, air release (see peel strength chart)
Adhesive color	Transparent
Release Liner	Films with plastic liner (HD code): transparent plastic liner with grid pattern. Other films: Kraft white silicone-coated paper with double-sided polyethylene coating
Package	The film is rolled color-side-out on an 8cm (diam) core. Roll is set into a plastic cover, secured with three fasteners, and placed in a carton box
Roll standard width	1.52m (5ft), (1.6yd)
Roll standard length	3m, 5m, 10m, 15m, 18m (9.8ft, 16ft, 33ft, 49ft, 59ft)(3.3yd, 5.5yd, 11yd, 16yd, 19yd)
Film protection	Clear protective coating

180 ° PEEL STRENGTH TEST



FILM REMOVAL

Please refer to the chart below for the removal details.

SERIES	PRODUCT TYPE	METHOD	RESIDUE AMOUNT	PERIOD	ADHESION STRENGTH	PULL ANGLE
190	Gloss and Color-shift metallic	Heating	Less than 25%	2 years	Medium	High
190	Chameleon and Glitter Metallic (matte and gloss)	Heating	Less than 30%	2 years	High	High
190	Satin & Matte Metallic	Heating	Less than 30%	2 years	High	High
180	Gloss Aluminum	Heating	Less than 30%	2 years	Medium	Low
180	Satin Chrome	Heating	Less than 30%	2 years	Medium	
180	High Gloss	No Heat	Less than 25%	2 years	Medium	High
180	Matte & Super Matte	No Heat	Less than 25%	2 years	Medium	High
180/190	Structure	Heating	Less than 30%	2 years	High	High

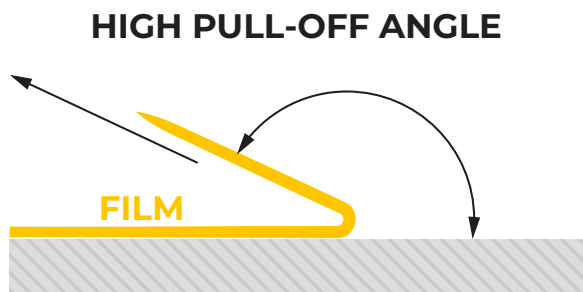
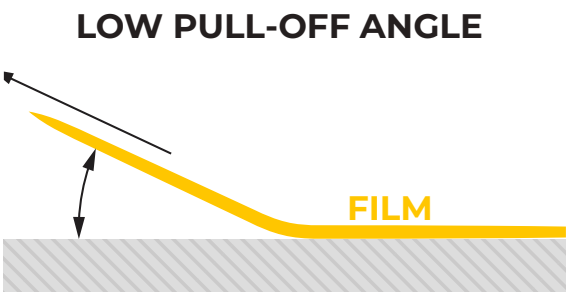
These films can be removed easily with heat within exploitation period

SERIES	PRODUCT TYPE	METHOD	RESIDUE AMOUNT	PERIOD	ADHESION STRENGTH	PULL ANGLE
180	Mirror and Neo Chrome	No heat	More than 40%	1 year	High	Low
This film can be removed with aid chemicals and polishing. These films may leave more than 40%						

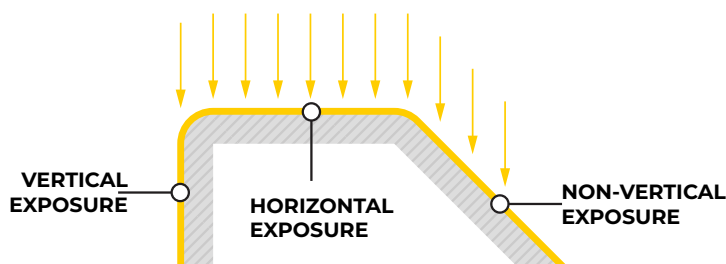
GENERAL RECOMMENDATIONS

Before purchasing and using a customer shall determine the product's suitability for its intended use. All information about product use and recommendations are listed on the product pages at www.teckwrap.com.

When the film is removed during the warranty period of the climatic zone, the surface should be heated first, and film pulled at a low angle with slow speed except for chrome films. Do not heat chrome film during uninstal. To avoid adhesive residue on the substrate during uninstal, TeckWrap recommends pulling off the chrome film quickly or "snap" it off at a low angle. Refer to the graphics below



DURABILITY INFORMATION



Vertical Exposure: the surface +/- 10° from vertical

Non-vertical Exposure: 10°-45° from vertical

Horizontal Exposure: the surface 45°-90° from vertical

HORIZONTAL AND NON-VERTICAL EXPOSURE	ZONE 1	ZONE 2	ZONE 3
WARRANTY PERIOD	2 years	1 year	Up to 1 year
VERTICAL EXPOSURE	ZONE 1	ZONE 2	ZONE 3
WARRANTY PERIOD	3 years	2 years	Up to 1 year

Zone 1: Andorra, Armenia, Austria, Azerbaijan, Belorussia, Belgium, Bosnia-Herzegovina, Canada, Croatia, Czech Republic, Denmark, Estonia, Finland, metropolitan France, Georgia, Germany, Greenland, Hungary, Island, Ireland, Italy (north of Rome), Kazakhstan, Latvia, Lichtenstein, Lithuania, Luxembourg, Moldavia, Montenegro, Norway, the Netherlands, Poland, Romania, United Kingdom, Russia, Serbia, Slovakia, Slovenia, Sweden, Switzerland, Ukraine, USA (excl.: USA desert's - zone 3)

Zone 2: Afghanistan, Albania, Argentina, Australia (southern States), Bahamas, Barbados, Belize, Bangladesh, Bhutan, Burma, Bolivia, Brazil, Bulgaria, Cambodia, Cape Verde, Caribbean islands, Chile, China, Cooperative Republic of Guyana, Cuba, Cyprus, Colombia, Costa Rica, Crete, Ecuador, El Salvador, Fiji, French West Indies, Greece, Guatemala, Guyana, Haiti, Honduras, India, Indonesia, Italy (south of Rome), Jamaica, Japan, Kyrgyzstan, Korea, Laos, Lesotho, Macedonia, Malaysia, Maldives, Malta, Mongolia, Nepal, Nicaragua, New Zealand, Pakistan, Panama, Papua-New-Guinea, Paraguay, Peru, Philippines, Polynesia, Porto Rico, Portugal, Dominican Republic, Sardinia, Singapore, South Africa, Spain, Sri Lanka, Surinam, Swaziland, Syria, Tajikistan, Taiwan, Thailand, East Timor, Turkey, Turkmenistan, Uruguay, USA (Arizona, California, Florida, Nevada, New Mexico, Texas, Utah), Uzbekistan, Venezuela, Vietnam, West Indies.

Zone 3: Algeria, Angola, Australia (northern and desert states), Bahrain, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Democratic Republic of Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Iraq, Iran, Israel, Ivory Coast, Jordan, Kenya, Kuwait, Lebanon, Liberia, Libya, Madagascar, Malawi, Mali, Morocco, Mauritius, Mauritania, Mexico, Mozambique, Namibia, Niger, Nigeria, Oman, Palestine, Qatar, Reunion Island, Rwanda, Senegal, Saudi Arabia, Sierra Leone, Somalia, Sudan, Tanzania, Togo, Tunisia, Uganda, United Arab Emirates, Western Sahara, Yemen, Zambia, Zimbabwe and all desert areas.

RELATED DOCUMENTS

Color Change Films Install Tips