



## 51.201N | Black Emboss Film 190 Total Protect | Functional

### Features

The 51.201N is a premium quality textured calendered polymeric vinyl which has been specifically developed for use in the automotive and recreational vehicle market to be used for blackout, kick tread and stoneguard applications. The film is applied to areas that are vulnerable to stone chipping or scratching and use film to create unique product and model variations. In particular, they can be used for A / B / C pillars, window profiles, wheel arches and general decoration.

### Technical & Performance Information

Film Thickness	190 microns
Adhesive Thickness	38 microns
Total Thickness	228 microns
Adhesive Type	Permanent clear solvent based acrylic
Release Liner	140 gsm PE coated kraft liner
Artificial Weathering *	> 10 years
Film Tensile Strength MD	> 13.5 N/mm <sup>2</sup>
Film Elongation MD	> 50%
Adhesion to steel (20 mins / 180°)	14 N/25mm
Adhesion to steel (24 hrs / 180°)	18 N/25mm
Dimensional Stability	< 0.5mm
Application Temperature	+8 to +25 °C
Service Temperature	- 40 to +90 °C

\* equivalent to vertical exposure in Mid-European climate

#### Warranty

iSee2 warrants our material for one (1) year from date of shipment. The shelf life of our material is dependent on storage conditions. We recommend that the end user stores the material in the original boxes (out of direct sunlight) from our factory. We also recommend to store our material at 21°C with 50% relative humidity. iSee2 only warrants our products to be free from defects in workmanship or defects in iSee2 material. We will replace or credit any material deemed defective. No acceptance or responsibility for loss, damage or expense implied or otherwise shall be assumed by the seller or manufacturer. User assumes all risk and liability in connection herewith. All data values quoted above are typical and should not be used to deem the product defective, if measured values are different