

# Technical specification sheet

Ball & Doggett

ballanddoggett.com.au

Product: Mastertac Monomeric Vinyl (White Gloss Clear Remo) 

Category: Sign, Display & Digital

## Technical specifications:

| CHARACTERISTIC                   | TEST METHOD             | AVERAGE VALUES                                                          |
|----------------------------------|-------------------------|-------------------------------------------------------------------------|
| Film thickness                   | ISO 4591:1992           | 100±10 microns Monomeric PVC film                                       |
| Adhesive type                    |                         | Solvent polyacrylate removable, Transparent                             |
| Release paper                    |                         | Double PE coated silicon paper, 140g/m2                                 |
| Dimensional stability            | FINAT TM14              | Adhered to steel, no shrinkage in cross direction, in length 0.8mm max. |
| Temperature resistance           |                         | Adhered to aluminum, -20°C to +65°C, no variation                       |
| Seawater resistance              | DIN 50021               | Adhered to glass, after 48h/23°C no variation                           |
| Adhesive power                   | FINAT TM1               | After 24h, stainless steel 8±2N/25mm                                    |
| Tensile strength along across    | ASTM D882-02:200MM/ MIN | min.24MPa<br>min.23MPa                                                  |
| Elongation at break along across | ASTM D882-02:200MM/ MIN | min 140%<br>min 180%                                                    |
| Shelf life                       |                         | Up to 2 years                                                           |
| Storage                          |                         | One year out of direct sunlight at 23°C and 50% humidity                |
| Application temperature          |                         | Min.+10°C                                                               |
| Weathering                       |                         | Up to 2 years                                                           |

Soft Monomeric PVC film  
Color: White  
Surface: Glossy

**Attention:** After printing the ink must be thoroughly dry in order to avoid any affect on the later combination with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.

### Sheet Sizes

1370mm x 50m

130729

**Product:** Mastertac Monomeric Vinyl (White Gloss Clear Perm) 

**Category:** Sign, Display & Digital

**Country of Origin:** China

### Technical specifications:

| CHARACTERISTIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TEST METHOD               | AVERAGE VALUES                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------|
| Film thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ISO 4591:1992             | 100±10 microns Monomeric PVC film                                       |
| Adhesive type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           | Solvent polyacrylate Permanent, Transparent                             |
| Release paper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           | Double PE coated silicon paper, 140g/m2                                 |
| Dimensional stability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FINAT TM14                | Adhered to steel, no shrinkage in cross direction, in length 0.8mm max. |
| Temp. resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           | Adhered to aluminum. -20°C to +65°C, no variation                       |
| Seawater resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DIN 50021                 | Adhered to glass, after 48h/23°C no variation                           |
| Adhesive power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FINAT TM1                 | After 24h, stainless steel 12±2N/25mm                                   |
| Tensile strength<br>along<br>across                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ASTM<br>D882-02:200MM/MIN | min.24MPa<br>min.23MPa                                                  |
| Elongation at<br>along<br>across                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ASTM<br>D882-02:200MM/MIN | min 140%<br>min 180%                                                    |
| Shelf life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           | Up to 2 years                                                           |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           | One year out of direct sunlight at 23°C and 50% humidity                |
| Application temp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           | Min.+10 deg                                                             |
| Weathering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           | Up to 2 years                                                           |
| <b>Product description</b><br>Soft Monomeric PVC film<br>Color: White<br>Surface: Glossy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |                                                                         |
| <b>Attention:</b> After printing the ink must be thoroughly dry in order to avoid any affect on the later combination with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material.<br><br>The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use. |                           |                                                                         |

### Sheet Sizes

|              |        |
|--------------|--------|
| 1370mm x 50m | 130841 |
|--------------|--------|

**Product:** Mastertac Monomeric Vinyl (White Gloss Grey Rem) 

**Category:** Sign, Display & Digital

**Technical specifications:**

| CHARACTERISTIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TEST METHOD                   | AVERAGE VALUES                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------|
| Film thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ISO 4591:1992                 | 100±10 microns Monomeric PVC film                                       |
| Adhesive type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               | Solvent polyacrylate removable, Grey                                    |
| Release paper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               | Embossed 140 gsm double PE-Coated Silicon Paper, 140g/m <sup>2</sup>    |
| Dimensional stability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FINAT TM14                    | Adhered to steel, no shrinkage in cross direction, in length 0.8mm max. |
| Temperature resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               | Adhered to aluminum. -20 deg to +65deg, no variation                    |
| Seawater resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DIN 50021                     | Adhered to glass, after 48h/23°C no variation                           |
| Adhesive power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FINAT TM1                     | After 24h, stainless steel 8 ±2N/25mm                                   |
| Tensile strength<br>along<br>across                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ASTM<br>D882-02:200MM/MIN     | min. 24MPa<br>min. 23MPa                                                |
| Elongation at<br>along<br>across                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ASTM<br>D882-02:200MM/<br>MIN | min 140%<br>min 180%                                                    |
| Shelf life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               | Up to 2 years                                                           |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               | One year out of direct sunlight at 23°C and 50% humidity                |
| Application temp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               | Min. +10 deg                                                            |
| Weathering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               | Up to 2 years                                                           |
| Soft Monomeric PVC film<br>Color: White<br>Surface: Glossy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |                                                                         |
| <p><b>Attention:</b> After printing the ink must be thoroughly dry in order to avoid any affect on the later combination with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material.</p> <p>The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.</p> |                               |                                                                         |

**Sheet Sizes**

|              |        |
|--------------|--------|
| 1370mm x 50m | 135961 |
|--------------|--------|

# Technical specification sheet

**Ball & Doggett**  
ballanddoggett.com.au

**Product:** Mastertac Monomeric Vinyl (White Gloss Grey Perm)



**Category:** Sign, Display & Digital

## Technical specifications:

| CHARACTERISTIC                   | TEST METHOD               | AVERAGE VALUES                                                          |
|----------------------------------|---------------------------|-------------------------------------------------------------------------|
| Film thickness                   | ISO 4591:1992             | 100 microns Monomeric PVC film                                          |
| Adhesive type                    |                           | Solvent polyacrylate Permanent, Grey                                    |
| Release paper                    |                           | 140g/m2 <b>Double PE</b> coated silicon paper                           |
| Dimensional stability            | FINAT TM14                | Adhered to steel, no shrinkage in cross direction, in length 0.8mm max. |
| Temperature resistance           |                           | Adhered to aluminum. -20°C to +65°C, no variation                       |
| Seawater resistance              | DIN 50021                 | Adhered to glass, after 48h/23°C no variation                           |
| Adhesive power                   | FINAT TM1                 | After 24h.stainless steel 12±2N/25mm                                    |
| Tensile strength along across    | ASTM<br>D882-02:200MM/MIN | min.24MPa<br>min.23MPa                                                  |
| Elongation at break along across | ASTM<br>D882-02:200MM/MIN | min 140%<br>min 180%                                                    |
| Shelf life                       |                           | Up to 2 years                                                           |
| Storage                          |                           | One year out of direct sunlight at 23°C and 50% humidity                |
| Application temperature          |                           | Min.+10°C                                                               |
| Weathering                       |                           | one year or one and a half years                                        |

Soft Monomeric PVC film  
Color: White  
Surface: Glossy

**Attention:** After printing the ink must be thoroughly dry in order to avoid any affect on the later combination with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.

### Sheet Sizes

|              |        |
|--------------|--------|
| 1524mm x 50m | 136172 |
|--------------|--------|

**Product:** Mastertac Monomeric Vinyl (White Gloss Grey BF)



**Category:** Sign, Display & Digital

**Technical specifications:**

| CHARACTERISTIC                   | TEST METHOD            | AVERAGE VALUES                                                          |
|----------------------------------|------------------------|-------------------------------------------------------------------------|
| Film thickness                   | ISO 4591:1992          | 100±10 microns Monomeric PVC film                                       |
| Adhesive type                    |                        | Solvent polyacrylate removable, Grey                                    |
| Release paper                    |                        | Embossed 140 gsm double PE-Coated Silicon Paper, 140g/m <sup>2</sup>    |
| Dimensional stability            | FINAT TM14             | Adhered to steel, no shrinkage in cross direction, in length 0.8mm max. |
| Temperature resistance           |                        | Adhered to aluminum, -20deg to +65deg, no variation                     |
| Seawater resistance              | DIN 50021              | Adhered to glass, after 48h/23deg no variation                          |
| Adhesive power                   | FINAT TM1              | After 24h, stainless steel 8±2N/25mm                                    |
| Tensile strength along across    | ASTM D882-02:200MM/MIN | min. 24MPa<br>min. 23MPa                                                |
| Elongation at break along across | ASTM D882-02:200MM/MIN | min 140%<br>min 180%                                                    |
| Shelf life                       |                        | Up to 2 years                                                           |
| Storage                          |                        | One year out of direct sunlight at 23deg and 50% humidity               |
| Application temperature          |                        | Min. +10deg                                                             |
| Weathering                       |                        | Up to 2 years                                                           |

**Product description**  
Soft Monomeric PVC film  
Color: White  
Surface: Glossy

**Attention:** After printing the ink must be thoroughly dry in order to avoid any affect on the later combination with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.

#### Sheet Sizes

|              |        |
|--------------|--------|
| 1370mm x 50m | 150729 |
|--------------|--------|

### Conversion<sup>+</sup>

- |                                               |                                                       |
|-----------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> Flat bed cutters     | <input type="checkbox"/> Cold overlaminating          |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Aqueous                      |
| <input type="checkbox"/> Die cutting          | <input checked="" type="checkbox"/> Latex inkjet      |
| <input type="checkbox"/> Thermal transfer     | <input checked="" type="checkbox"/> Eco Solvnt inkjet |
| <input type="checkbox"/> Screen printing      | <input checked="" type="checkbox"/> Solvent inkjet    |
| <input type="checkbox"/> Offset printing      | <input checked="" type="checkbox"/> UV curable Inkjet |

<sup>+</sup>Always test with your combination of printer and inks prior to commercial use.

### Sheet Sizes

|                                              |        |
|----------------------------------------------|--------|
| 1370mm x 50m, White Gloss, Clear Removable   | 130729 |
| 1370mm x 50m, Clear Gloss, Clear Removable   | 130731 |
| 1370mm x 50m, White Gloss, Clear Permanent   | 130841 |
| 1370mm x 50m, White Gloss, Grey Permanent    | 130842 |
| 1370mm x 50m, Clear Gloss, Clear Permanent   | 130872 |
| 1370mm x 50m, White Gloss, Grey Removable    | 135961 |
| 1370mm x 50m, White Gloss, Grey BF Removable | 150729 |
| 1370mm x 50m, White Matt, Grey BF Removable  | 151999 |
| 1524mm x 50m, White Gloss, Grey Permanent    | 136172 |

### Common applications

|                      |                                   |
|----------------------|-----------------------------------|
| Graphics on Vehicles | Glass walls of buildings          |
| Show windows         | Advertising media on glass panels |
| Airport Graphics     | Subway window                     |