



EMARKLSPP

The LSPP Panel Plates are thermal transfer printable plates which replaces engraved signs. The marking is quicker, more effective and even more cost effective than conventional engraved signs and also offers durability and high adhesion strength. Panel Plates are available in white and metalized, but can be offered in many other colours and dimensions upon request.

Dimensions data

| Part | Dimension | Material | Qty | Unit |
|------------------|---------------|----------|------|------|
| LSPP-027x0125 | 27x12,5 mm. | PET | 1000 | Roll |
| LSPP-027x015 | 27x15 mm. | PET | 1000 | Roll |
| LSPP-027x018 | 27x18 mm. | PET | 1000 | Roll |
| LSPP-035x015 | 35x15 mm. | PET | 1000 | Roll |
| LSPP-035x018 | 35x18 mm. | PET | 1000 | Roll |
| LSPP-045x015 | 45x15 mm. | PET | 1000 | Roll |
| LSPP-048x019 | 48x19 mm. | PET | 1000 | Roll |
| LSPP-050x015 | 50x15mm. | PET | 1000 | Roll |
| LSPP-060x030 | 60x30 mm. | PET | 1000 | Roll |
| LSPP-070x018 | 70x18 mm. | PET | 500 | Roll |
| LSPP-080x060 | 80x60 mm. | PET | 500 | Roll |
| LSPP-090x045 | 90x45 mm. | PET | 500 | Roll |
| LSPP-100x030 | 100x30 mm. | PET | 500 | Roll |
| LSPP-100x050 | 100x50 mm. | PET | 500 | Roll |
| LSPP-105x140 | 105x140 mm. | PET | 500 | Roll |
| LSPP-119x019 | 119x19 mm. | PET | 500 | Roll |
| LSPP-120x040 | 120x40 mm. | PET | 500 | Roll |
| LSPP-040x030-H20 | 40x30 mm. Ø20 | PET | 1000 | Roll |
| LSPP-045x025-H20 | 45x25 mm. Ø20 | PET | 1000 | Roll |

Colours

White and metalized

Other colours available on request

Material

Top-coated thermal transfer printable

Polyester film coated with a permanent pressure sensitive acrylic adhesive mounted with a compressible foam carrier and backed with a glassine release liner.

Operating temperature

-40°C - +90°C

Recommended ribbon

FTI-Y ribbon

Notes:

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We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

Technical data

| Physical properties | Value | Test method |
|---------------------------|-----------------------|---------------------------------|
| Thickness (micron) | 625 | ASTM D 3652 |
| Dimensional stability (%) | No shrinkage observed | On Al panel at 70°C for 24 hrs. |

Adhesion properties
Adhesion strength (N/mm)

| | | |
|----------------|--------------------------|--|
| Polypropylene | 11N / 25mm | DIN EN 1939 after 24 hours at 21°C |
| Polyethylene | 5N / 25mm | DIN EN 1939 after 24 hours at 21°C |
| PVC | 29N / 25mm | DIN EN 1939 after 24 hours at 21°C |
| Steel | 38N / 25mm | DIN EN 1939 after 7 days at 38°C and 100% relative humidity |
| Shear strength | 40N / 625mm ² | on steel according to DIN EN 1943, edition 1996, at 23°C ± 2°C |
| Peel strength | 40N / 25mm | on steel according to DIN EN 1943, edition 1996, at 23°C ± 2°C |

Technical properties

| | | |
|------------------------------|--|----------------------|
| Tensile strength | ≥ 150 Mpa ≥ 15,29 Kg/mm ² ≥ 21710 p.s.i | D.M. D.M. D.M. |
| Elongation | ≥ 70% | D.M. |
| Breaking strength | ≥ 187,5 N/cm ≥ 19,1 kg/cm ≥ 107,0 p.i.w. | D.M. D.M. D.M. |
| Electric breakdown | 13,5 kV | D.M. |
| Expected exterior life | 2 years | |
| Min. application temperature | 10°C | |
| Storage ability | 2 years stored at 21°C and 50% relative humidity | |


Recommended application temperature

18°C to 35°C

Liner material

Silicone paper

Packaging

Continuous rolls

Excellent resistance to ageing, weathering and UV-radiation

Extensive resistance to the influence of chemicals and solvents (domestic cleaners and polishing agents)

On account of its compressible and elastic foam carrier, the adhesive tape assures a perfect adaptation to surfaces by compensating for different expansion coefficients of the substrates that are joined

Suitable for indoor and outdoor applications on smooth and slightly rough surfaces

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