

## Description

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|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| Material:         | PVC, monomeric calendered film                                                      |
| Thickness:        | 110 ± 7 µm or 0,11 ± 0,007 mm                                                       |
| Adhesive:         | Aqueous dispersion on basis of acrylate (free of solvent), environmentally friendly |
| Adhesive, amount: | 19 ± 2 g/m <sup>2</sup>                                                             |
| Backing Paper:    | Paper, 55 g/m <sup>2</sup> printed with a grid of centimetres                       |

|             |                    |      |                     |       |
|-------------|--------------------|------|---------------------|-------|
| Variations: | Long roll 45 cm:   | 15 m | Short roll 45 cm:   | 2 m   |
|             | Long roll 67,5 cm: | 15 m | Short roll 67,5 cm: | 2 m   |
|             | Long roll 90 cm:   | 15 m | Short roll 90 cm:   | 2,1 m |

- Packaging:
- Shrunk with a PE-foil
  - Labels with the following languages:
    - Long roll: D, GB, F, I, NL, E, P, RUS, H, CZ, PL, ROM, BG, HR, TR, GR SA, CN (18 languages)
    - Short roll: D, GB, F, I, NL, E, P, RUS, H, CZ, PL, TR, GR SA (14 languages)
    - Label is placed in the middle of the roll and carries reference number, barcode and date of production.
  - The packaging carton is printed and equipped with a yellow label containing reference number, barcode and quantity.

Packaging Unit: Number of rolls per carton (=VE)

|                    |   |                     |   |
|--------------------|---|---------------------|---|
| Long roll 45 cm:   | 6 | Short roll 45 cm:   | 7 |
| Long roll 67,5 cm: | 3 | Short roll 67,5 cm: | 7 |
| Long roll 90 cm:   | 3 | Short roll 90 cm:   | 7 |

Adhesion of film:

|                        |       |            |             |             |
|------------------------|-------|------------|-------------|-------------|
| Adhesion on chipboard: | Tack: | > 1 N/ 5cm | After 24 h: | > 3 N/ 5cm  |
| Adhesion on glass:     | Tack: | > 4 N/ 5cm | After 24 h: | > 10 N/ 5cm |

Shrinkage of film: without paper, at 80 °C and 10 min testing time:

|             |         |
|-------------|---------|
| Vertical:   | < 3,5 % |
| Horizontal: | < 2,0 % |

Shrinkage, composite of film-adhesive-paper:

|                          |          |
|--------------------------|----------|
| Vertical and horizontal: | < 0,25 % |
|--------------------------|----------|

## Storage

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Cool and dry at room temperature (23 °C ± 2 °C). Avoid direct sunlight. The temperature should not exceed 40 °C on a permanent basis.

Hornschnuch's Quality Management System is not only certified according to the internationally recognised ISO 9001:2000 standard, through compliance with ISO/TS 16949:2002, our quality program also meets the exacting requirements of the automotive industry, and furthermore the ecological requirements of ISO 14001.

All statements are based on our current knowledge and experience. Due to the variety of possible influences when processing our products we suggest to carry out individual tests. A legally obligatory warranty of characteristics cannot be derived.

Up-to-date: July 2013

