

UMANG BOARDS LIMITED

PRODUCT DATA SHEET

DUCT SPACING



Duct spacing

AS PER IEC 60641-1 TYPE B 4.1

CHARACTERISTIC FEATURES

1. 100 % Electrical grade Sulphate Pulp
2. Natural –coloured
3. Made of Umang Transformers Board
4. High Purity and oil absorption
5. Insulation class A (105°C)
6. Good compatibility with liquid dielectrics strength
7. One side BL/U coated or uncoated



APPLICATIONS

Umang duct spacing can be used for main and cooling ducts in oil filled distribution transformers

VARIANTS

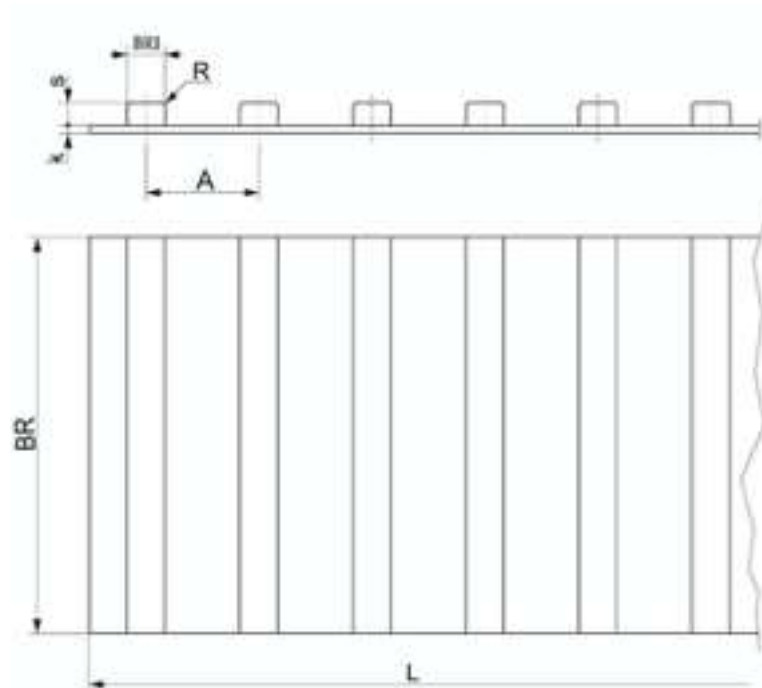
Umang duct spacing are available in the following shapes: -

| | |
|-----------------|---|
| Duct Spacing C | According to IEC 60641-1 Type B 4.1 Umang Transformer Boards MD Rectangular Duct |
| Duct Spacing HD | According to IEC 60641-1 Type B 4.1 Umang Transformer Boards HD Rectangular Duct |



DUCT STRIPS HD SHAPE "A"

TECHNICAL DRAWING



Dimension

Tolerance

| | |
|-----|--------------------|
| L | In rolls upto 30 m |
| BR | 100- 1280 mm |
| K | 0.13 ; 0.25 mm |
| S | 2-6 mm |
| BR1 | 5 – 9 mm |
| E | 15 – 35 mm |
| R | 1 mm |

| | |
|-----|----------|
| BR | ±3 mm |
| BR1 | ±0.5 mm |
| k | ± 10"% |
| s | ± 10"% |
| R | ± 0.5 mm |
| E | ±0.20 mm |



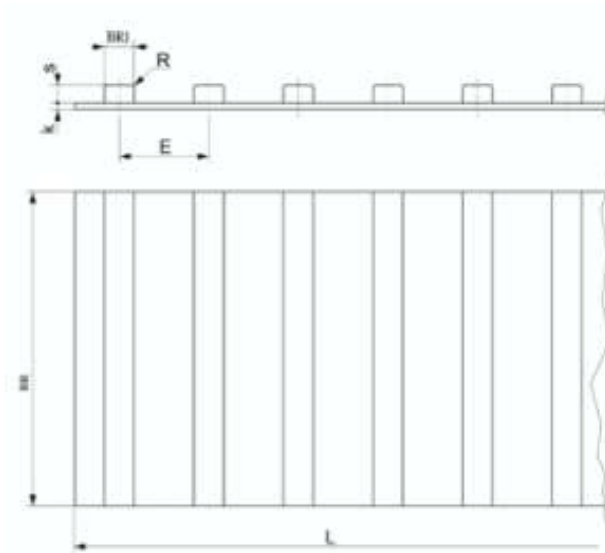
Standard Dimensions

| Strip thickness | Strip width | Distance centre to centre | Thickness of paper | Approx length per roll | Approx weight 0.13 | Approx weight 0.25 |
|-----------------|-------------|---------------------------|--------------------|------------------------|--------------------|--------------------|
| 3 mm | 5 mm | 19 mm | 0.13/0.25mm | 30 m | 29 kg | 33 kg |
| 3 mm | 5 mm | 25 mm | 0.13/0.25mm | 30 m | 23 kg | 28 kg |
| 3 mm | 5 mm | 30 mm | 0.13/0.25mm | 30 m | 20 kg | 25 kg |
| 4 mm | 6 mm | 19 mm | 0.13/0.25mm | 27 m | 39 kg | 43 kg |
| 4 mm | 6 mm | 25 mm | 0.13/0.25mm | 27 m | 31 kg | 35 kg |
| 4 mm | 6 mm | 30 mm | 0.13/0.25mm | 27 m | 26 kg | 30 kg |
| 4 mm | 7 mm | 19 mm | 0.13/0.25mm | 27 m | 45 kg | 49 kg |
| 4 mm | 7 mm | 25 mm | 0.13/0.25mm | 27 m | 35 kg | 39 kg |
| 4 mm | 7 mm | 30 mm | 0.13/0.25mm | 27 m | 30 kg | 34 kg |
| 5 mm | 7 mm | 25 mm | 0.13/0.25mm | 25 m | 40 kg | 43 kg |
| 5 mm | 7 mm | 30 mm | 0.13/0.25mm | 25 m | 34 kg | 37 kg |
| 5 mm | 7 mm | 35mm | 0.13/0.25mm | 25 m | 29 kg | 33 kg |
| 5 mm | 8 mm | 25 mm | 0.13/0.25mm | 25 m | 45 kg | 48 kg |
| 5 mm | 8 mm | 30 mm | 0.13/0.25mm | 25 m | 38 kg | 42 kg |
| 5 mm | 8 mm | 35mm | 0.13/0.25mm | 25 m | 33 kg | 37 kg |
| 6 mm | 8 mm | 25 mm | 0.13/0.25mm | 18 m | 38 kg | 41 kg |
| 6 mm | 8 mm | 30 mm | 0.13/0.25mm | 18 m | 32 kg | 35 kg |
| 6 mm | 8 mm | 35mm | 0.13/0.25mm | 18 m | 28 kg | 31 kg |
| 6 mm | 9 mm | 25 mm | 0.13/0.25mm | 18 m | 42 kg | 45 kg |
| 6 mm | 9 mm | 30 mm | 0.13/0.25mm | 18 m | 36 kg | 38 kg |
| 6 mm | 9 mm | 35mm | 0.13/0.25mm | 18 m | 31 kg | 34 kg |



DUCT SPACING HD

TECHNICAL DRAWING



Dimensions

| | |
|-----|--------------------|
| L | In rolls upto 30 m |
| BR | 100- 1280 mm |
| K | 0.13 ; 0.25 mm |
| S | 2-30 mm |
| BR1 | 4-30 mm |
| E | 15 -100 mm |
| R | 1 mm |

Tolerance

| | |
|-----|---------------------------------------|
| BR | ±3 mm |
| BR1 | ±0.5 mm |
| k | ± 10 % |
| s | ≤5 ± 0.1 mm ; >5≤12±0.2 mm;>12±0.5 mm |
| R | ± 0.5 mm |
| E | ±3 mm |

