



Derkim Poliüretan San. Ve Tic. A.Ş.

Fevzipaşa Mah. Gülbağlar Sok. No:6/A

Değirmenköy-Silivri/İSTANBUL

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Component A (POLYOL) : CORPOLI 2130A
Component B (ISOCYANATE) : CORATE 4212B

➤ **TYPICAL CHEMICAL PHYSICAL PROPERTIES :**

| Parameter | Component A (POLYOL) | Component B (ISOCYANATE) | Unit |
|--------------------------------|-------------------------|-----------------------------|-------------------|
| | CORPOLI 2130A | CORATE 4212B | |
| Apperance at room temperature | Semi Solid | Liquid/Waxy | - |
| Melting point | 70-80 | 70-80 | °C |
| Solid material melting time | 12-24 | 12-24 | hrs |
| Viscosity at 35 °C | 1600-2000 | 380-430 | mPa·s |
| Density at working temperature | 1,16 | 1,19 | g/cm ³ |

➤ **SHELF LIFE :**

6 months from manufacturing stored in its original sealed packaging at proper conditions.

➤ **HANDLING :**

| | Component A (POLYOL) CORPOLI 2130A | Component B (ISOCYANATE) CORATE 4212B | |
|--|---|--|-------------------|
| Parameter | Specific Value | Specific Value | Unit |
| Mixing ratio | 100 | 82 | p.b.w |
| Working temperature | 45-50 | 35-40 | °C |
| Moulds temperature | 50-60 | | °C |
| Demoulding time | 180-210 | | sec |
| Reaction performance (Cream Time/Thread Time) | 6-8 / 20-25 | | sec |
| Free Density | 0,23-0,25 | | g/cm ³ |

➤ **MECHANICAL PERFORMANCE OF THE FOAM**

| Parameter | Specific Value | Unit |
|---|-----------------------|-------------------|
| Density (UNI 10902) | 0,55 | g/cm ³ |
| Hardness (UNI EN ISO 868) | 55-60 | Shore A |
| Elongation at break (UNI EN 12803) | > 360 | % |
| Tensile strength at break (UNI 12803) | > 6 | MPa |
| Tear Resistance (UNI EN 12771) | > 7 | N/mm |
| Abrasion resistance (UNI EN 12770) | < 150 | mg |
| Flexural fatigue resistance (UNI EN ISO 17707) Test temperature : -10 /15 °C | < 4 | mm |

Ageing (UNI EN 12749)

| Parameter | Specific Value | Unit |
|--|-----------------------|-------------------|
| Elongation at break (UNI EN 12803) | > 360 | g/cm ³ |
| Tensile strength at break (UNI EN 12803) | > 6 | N/mm |
| Flexural fatigue resistance (UNI EN ISO 17707) Test temperature : + 23 °C | < 4 | mm |