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# DURA-BOND®

## TECHNICAL DATA SHEET

| PANEL DIMENSIONS:             |  |
|-------------------------------|--|
| Panel Thickness (mm)          | 3  |
| Aluminium Skin Thickness (mm) | 0.30   |
| Weight (Kg m2)                | 3.75   |
| STANDARD SIZES:               |  |
| 1220 x 2440                   | *  |
| DIMENSIONAL TOLERANCES:       |  |
| Thickness (mm)                | - 0 + 0.2  |
| Width (mm)                    | ± 2  |
| Length (mm)                   | ± 3  |
| Diagonal (mm)                 | ± 5  |
| Thermal Expansion             | 2.4mm/m @100°C Temp Difference                             |
| Aluminium Thickness (mm)      | Where applicable as specified in EN485-4                   |
| SURFACE PROPERTIES:           |  |
| Paint Thickness (micron)      | 20   |
| Pencil Hardness               | >HB  |
| Toughness of Coating          | 3T   |
| Temperature Resistance        | -50°C to +90°C   |
| Impact Strength (kg cm2)      | 50   |
| Boiling Water Resistance      | Boiling for 2hrs without change                            |
| Acid Resistance               | Immerse Surface in 2% HC1 for 24hrs without change         |
| Alkali Resistance             | Immersed surface in 2% NaOH for 24hrs without change       |
| Oil Resistance                | Immerse Surface in 20# engine oil for 24hrs without change |
| Solvent Resistance            | Cleaned 100 times with Dimethylbenzene without change      |
| Cleaning Resistance           | >1000 times without change                                 |
| Peel Strength 180°            | >5 Newton / mm   |
| PRODUCT PROPERTIES:           |  |
| Sound Absorbtion NRC          | 0.05   |
| Sound Attenuation Rw db       | 23 24  |
| Water Absorbtion % By Volume  | 0.01   |
| Fire Performance              | Class 1 BS476 PT7 - Class O BS476 P16                      |
| Tensile Strength              | 149MPa   |