

Statement concerning the MT System slider plates (MT-PS-GS/L/U OC)

Dear

Having conferred with our internal experts, we are pleased to inform you of the following concerning your query

The following products are covered by this statement, all of which are intended to be used as part of the MT System as a friction reducing plate (slider plate) between the MT closed profiles (girders) and a subsequently installed pipe or pipe shoe:

| Item Designation | Item Number | Girder Compatibility | Image |
|------------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------|
| MT-PS-GS OC | 2273694 | MT-70; MT-80 (on 50mm face) |  |
| MT-PS-GL OC | 2273695 | MT-90; MT-80 & MT-100 (on 100mm face) |  |
| MT-PS-U OC | 2273696 | MT-U-GL1 |  |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material: | POM (ISO 1043) high viscosity acetal homopolymer |
| Intended Application: | For indoor and outdoor environments , including where direct sunlight (UV exposure) may be expected. Pipe/pipe shoe is positioned above, resulting in a friction reduction between MT Structure and the pipe/pipe shoe. In these circumstances the slider plate will be subjected to compressive loading . |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|-------|---------------------|---------------|
| Tensile Modulus | 2900 | MPa | ISO 527-1/-2 |
| Yield stress | 70 | MPa | ISO 527-1/-2 |
| Yield strain | 26 | % | ISO 527-1/-2 |
| Nominal strain at break | 45 | % | ISO 527-1/-2 |
| Flexural Modulus | 2800 | MPa | ISO 178 |
| Flexural Stress at 3.5% | 75 | MPa | ISO 178 |
| Tensile creep modulus | | | ISO 899-1 |
| 1h | 2700 | MPa | |
| 1000h | 1500 | MPa | |
| Charpy impact strength | | | ISO 179/1eU |
| 23°C | | N kJ/m ² | |
| -30°C | 400 | kJ/m ² | |
| Charpy notched impact strength | | | ISO 179/1eA |
| 23°C | 14 | kJ/m ² | |
| -30°C | 13 | kJ/m ² | |
| Izod notched impact strength | | | ISO 180/1A |
| 23°C | 14 | kJ/m ² | |
| -40°C | 12 | kJ/m ² | |
| Hardness, Rockwell, M-scale | 88 | - | ISO 2039-2 |
| Hardness, Rockwell, R-scale | 119 | - | ISO 2039-2 |
| Ball indentation hardness, H 358/30 | 173 | MPa | ISO 2039-1 |
| Poisson's ratio | 0.37 | - | - |

Over time a visual degradation, in the form of a chalking effect, may occur. This has no detrimental impact on the functionality of the items.