



Technical Datasheet

Class A Spreader Plate

PRODUCT DESCRIPTION

The Spreader Plate, when used with our compatible Class A Pedestals, is designed to disperse weight and reduce point loading on delicate subfloors, such as insulation or waterproof membranes ([See Report](#)).

The Spreader Plate is compatible with our [MetalPad Ex Pedestal](#), [Class A Fixed Height Pedestal](#), and [Class A Joist Holder](#), offering versatile support without the need for mechanical fixing. Made from galvanised steel with a Zintec 200 coating ([See Details](#)), it resists rust and corrosion and meets Class A fire rating standards. The 185mm diameter plate features a smooth underside, effectively distributing weight and significantly increasing the pedestal's weight tolerance when used on softer surfaces.

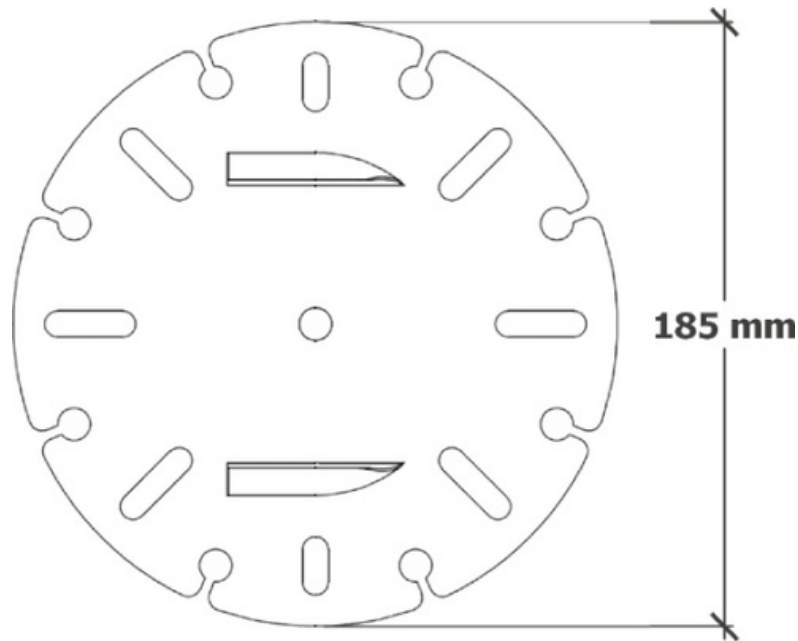
PHYSICAL AND CHEMICAL PROPERTIES

MATERIAL	Mild Steel	EN 10152
COATING	Zintec 200 corrosion protection coating	
FIRE CLASSIFICATION	Class A1 - EC Decision 96/603/EC BS EN 13501-1:2018	
BUILDING STANDARDS COMPLIANCE	Approved Document B (amended)	2022
	British Standard (balcony construction)	BS 8579
DURABILITY	The Spreader Plate is manufactured for long-term performance and resistance to corrosion, exposure to elements and to UV rays	
WARRANTY	Limited warranty 15 years	
	Life span 50 years	
TOXICITY	These products are not classified as toxic	



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Class A Spreader Plate



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IMS.T.1086.v1

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APPENDIX A:
TEST CERTIFICATE
LOAD TESTING IN ACCORDANCE WITH
THE CLIENT'S SPECIFICATION



On Wallbarn Limited,
3 Hagley Court North, The Waterfront, Dudley, West Midlands, DY5 1XF

PROOF LOAD TESTING
STS LABORATORY

TEST DESCRIPTION: A weight tolerance test was conducted on various pedestals. Testing was completed using a jack to apply a vertical compressive load centre to the product, to confirm structural performance and determine load failure limit. All testing was carried out in accordance with the client's specification.

REF NO.:	DR-5744	DATE TESTED:	15 th May 2024
JOB NO.:	P10259	CERTIFICATE DATE:	24 th May 2024
CERTIFICATE NO.:	IC11714	SUPPLIER/SOURCE:	Client

TEST DETAILS:			
Product Tested:	Various Pedestal Samples (See table Below)	Item Condition:	New
Target Loads:	Failure	Ambient Temperature:	18°C
Test Location:	STS Laboratory	Procedure or Method:	Client's Specification

TEST RESULTS:

Test Product	Product Material	Load Achieved (kN)
26 – 35mm Pedestal	Steel	53.67
185 – 260mm Pedestal	Steel	49.86
26 – 35mm Pedestal with Spreader Plate	Steel	70.69
185 – 260mm Pedestal with Spreader Plate	Steel	129.53
10mm Fixed Height Pad	Aluminium	209.24

ANALYSIS:

Testing was completed with each individual pedestal obtaining failure loads. Following this, the highest load achieved at failure was the 10mm Fixed Height Pad, achieving a load of 209.24kN before failure. The 185 – 260mm Pedestal obtained the lowest load achieved, with 49.86kN before the product began to deform. All testing was completed within the client's specification.

For Specialist Technical Services (U.K) Limited			The results found on this Certificate relate only to the product[s] tested as described above This Test Certificate shall <u>not</u> be reproduced except in full QC: TC001 – Test Certificate – v4.0 Page 1 of 1
Approved By:	Andrew Gore		
Position:	Technical Director		
Signature:			

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Zintek® 200 XT

Zinc flake coatings from Atotech



General Metal Finishing

Zinc flake coatings

atotech.com



The neXT level base coat

Premium silver base coat with high cathodic corrosion resistance

For a premium silver zinc flake base coat that maintains a shiny, bright, and attractive silver color, turn to MKS' Atotech Zintek® 200 XT. The base coat provides superb adhesion and is not prone to hydrogen embrittlement. When combined with MKS Atotech top coats, Zintek® 200 XT offers outstanding cathodic corrosion protection and staves off white rust formation. The base coat also demonstrates exceptional performance in Neutral Salt Spray Testing (NSST) as well as in Cyclic Corrosion Testing (CCT).

Corrosion resistance

Base coat	Top coat	Durability
8 µm	-	>1,700 h*
8 µm	-	6 cycles**
10 µm	-	>2,000 h*

Corrosion resistance acc. to *ISO 9227 / **Ford L-467 and layer thickness may vary depending on part geometry, substrate and application method.

Features and benefits

- Inorganic premium silver zinc flake base coat
- Outstanding cathodic corrosion protection
- Exceptional performance in NSST and Cyclic Corrosion Testing (CCT)
- Excellent delay in white rust formation
- High color stability
- Very good adhesion
- Attractive silver appearance
- No hydrogen embrittlement
- Free of harmful heavy metals such as Cr(VI), cadmium, cobalt, lead or nickel
- Combinable with MKS' Atotech top coats

Zintek® 200 XT

Zinc flake coatings from Atotech

Application

- Dip-spin
- Rack-spin
- Spray

Parts (application)

- Fasteners
- Chassis parts
- Stamping parts
- Brake components
- Springs
- Clips

Coefficient of friction

- No defined coefficient of friction (μ_{tot})

Corrosion performance (8 μm layer thickness)



Start



>1,800 h*



Start



6 cycles**

Top coat combinations

- With inorganic Zintek® Top
- With organic Techseal®
- With organic Techdip®

Application parameters

- Application viscosity: 40 – 50 sec
- Curing time: 15 – 45 min
- Curing temperature: 220 – 260 °C
- Recommended 30 min at 250 °C object temperature

Technical data

- Delivery density: 1.40 – 1.55 g/cm³ (at 23 °C)
- Stability in sealed drums: 24 months
- Theoretical coverage rate: 25 m²/kg (based on 8 μm dry film)

