

MASTERPLATE® DPS

*Metallic aggregate, spark-resistant, static-disseminating
dry shake surface hardener*

DESCRIPTION:

MASTERPLATE DPS is a highly specialized metallic aggregate surface hardener designed to produce spark-resistant, static-disseminating, wear-resistant floors. When evenly distributed over freshly leveled and floated concrete, this dry shake hardener is ideal for industrial plants and other facilities where hazardous materials are handled.

RECOMMENDED FOR:

- Areas where red label products are manufactured, handled stored or used
- Paint spraying areas
- Areas where there are explosives or explosive dust and gases
- Areas where static charges are continually generated by processes such as printing and textile operations, and grain-handling facilities
- Surfaces where a high degree of spark resistance to dropped tools and other metal objects is needed

FEATURES/BENEFITS:

- Increased abrasion resistance is 400% greater than mineral aggregate toppings and 800% greater than plain concrete
- Impact resistance is twice that of plain concrete
- Greater surface density than plain concrete which increases resistance to penetration by oil, grease, hydraulic fluids (Skydrol*), ethylene glycol and many industrial chemicals
- Increased surface density also allows easier and less expensive maintenance because absorption of water and cleaning agents is reduced
- Iron aggregate makes MASTERPLATE DPS a virtually non-dusting surface hardener that may be finished to meet almost any requirement
- Provides struck-spark resistance in areas where explosions and fire hazards are of heightened concern
- Properly sized and graded, 100% iron aggregate is strictly controlled to provide consistent finishing characteristics and uniformity from lot to lot

PACKAGING/ESTIMATING:

MASTERPLATE DPS surface hardener is packaged, ready-to-apply, in 55 lb (25 kg) moisture-resistant bags.

The only recommended application rate for MASTERPLATE DPS surface hardener is 1.8 lb/ft² (9.0 kg/m²). Consult your local Master Builders representative to discuss your specific requirements.

APPLICATION:

Consult the MASTERPLATE DPS product bag for details on the application of MASTERPLATE DPS surface hardener.

Master Builders recommends that the user request the service of the local representative for a pre-job conference to review the concrete mix design and additives and to carefully plan each step of the installation.

CURING:

MASTERPLATE DPS must be cured with Master Builders KONDUCTOKURE® curing and sealing compound at the rate of 400 ft²/gallon (9.8 m²/liter).

LIMITATIONS:

- DO NOT USE
 - Where floor surfaces will be exposed to acids or other materials which seriously and rapidly attack portland cement and/or iron aggregate.
 - Where a minimum electrical resistance is specified.
 - Where the floor surface will be exposed to emery, flint, carborundum or other abrasive materials which produce sparks from sharp impact with iron aggregate.
 - When a nonslip finish is required.
 - In hospital operating rooms.
- In order to maintain the spark-resistant quality of the final floor surface, care must be taken to avoid contamination of the surface with sand, dirt, dust or other spark-producing minerals during application and finishing.
- The surface **should not** be given a nonslip finish since this impairs its spark resistance.
- This product contains portland cement which may cause skin irritation, rash and alkali burns. Avoid contact with eyes and prolonged contact with skin.

* Skydrol is a registered trademark of Monsanto.

RELATED BULLETINS:

Material Safety Data Sheet – MASTERPLATE DPS

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