



The Chemical Company

# MASTERTOP® 1220i

## Epoxy Based, No-Solvent, Multi Layer Coating System

### Description of Product

**MASTERTOP® 1220i** is an epoxy based, no-solvent, colored, multi layer floor coating system with rough non-slippery surface,

### Fields of Application

- Chemistry and medicine industry,
- Food and beverage industry,
- Automotive industry and airplane maintenance hangars,
- Production, packaging and storage areas,
- Industrial kitchens,
- Hydrous production areas.

### Features and Benefits

- Easy to apply
- High mechanical and chemical resistance
- Surface structure that does not allow the formation of microbes
- Easily cleaned to create hygienic environments.
- Non-slippery surface.
- Does not include any solvents

### Watchpoints

- Avoid application under excessive heat or wind and/or when the ambient and/or substrate temperature is below +10 or above +30°C.
- In applications that will be made under appropriate temperatures, as the application

### System Details

Intended Use	Materials	Consumption(kg/m <sup>2</sup> )
Undercoat	<b>MASTERTOP® P 677 Z (CONIPOX® 77Z)</b>	0,30 - 0,50
Scatter Sand	Silica Sand 0,1 - 0,3 veya 0,3 - 0,8 mm	0,80 - 1,00
Alternative Undercoat (For surface flaws up to 1 mm)	<b>MASTERTOP® P 677 Z</b> <i>(It is applied by mixing silica in the ratio 1/0,5 - 1/2 by weight)</i>	0,30 - 0,50
Filler Sand	Silica Sand 0,1 - 0,3 mm or <b>MASTERTOP® 1200</b> filler F1a	0,15 - 2,00
Scatter Sand	Silica Sand 0,1 - 0,3 or 0,3 - 0,8 mm	1,00 - 3,00
1 <sup>st</sup> Coat Covering	<b>MASTERTOP® 1200</b> A+B	0,40 - 0,60
Filler Sand	<b>MASTERTOP® 1200</b> filler F1a	0,40 - 1,20
Scatter Sand	Silica Sand 0,1 - 0,3 or 0,3 - 0,8 mm	1,00 - 3,00
2nd Coat Covering (if desired)	<b>MASTERTOP® 1200</b> A+B	0,40 - 0,60
Filler Sand	<b>MASTERTOP® 1200</b> filler F1a	0,40 - 1,20
Scatter Sand	Silica Sand 0,1 - 0,3 or 0,3 - 0,8 mm	1,00 - 3,00
Final Coat	<b>MASTERTOP® 1200</b> A+B	0,30 - 0,40
Filler Sand	<b>MASTERTOP® 1200</b> filler F1a	0,50 - 0,80
Alternative Final Coat	<b>MASTERTOP® 1272</b>	0,70 - 0,80
Alternative Final Coat	<b>MASTERTOP® 1271 (If a texture finish is wanted)</b>	0,70 - 0,80

*MASTERTOP® 1200 transparent can be used instead of CONIPOX® 77 Z as the undercoat. The covering that is composed of the first coat and the last coat has a thickness of approximately 2-2,5 mm, in case a second coat is made the thickness obtained will be 4 mm. Consumptions are theoretical, they can change depending on the quality of the concrete floor on which the application is made.*



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material should have the same temperature as the ambient and substrate temperature, make sure it has been stored for at least 1-2 days at the same temperatures before application.

- In cold conditions the substrate and the material temperatures should be preconditioned to +20 - +25°C by artificial means in order to increase the workability of the product.
- Epoxy and polyurethane based floor coatings should be applied by specialists.
- Reaction and workability times of resin based systems depend on the ambient and substrate temperatures as well as relative humidity. Under lower temperatures, the chemical reaction times are longer and this increases pot life, coating interval and working time. In addition to this, the consumption is increased as the viscosity gets higher. High temperatures ignite stronger chemical reactions and above mentioned time decreases accordingly. For the material to be cured properly, the ambient and substrate temperatures should not fall below specified limits. After application, the material should be protected from direct contact with water for minimum 24 hours. Within this period, contact with water can cause a surface carbonation and/or tackiness both of which will cause the coating lose its characteristics. In such cases, the overall coating should be removed from the floor and renewed.
- Empty packs should be consolidated and disposed of properly in order to prevent reusing of the packages.
- For detailed information about how to use the products, refer to the Technical Product Information Brochures.

## Attention

The system solutions given above, consumptions and products are given so as to form a basis for calculations considering ideal weather, environment and floor conditions and average employer needs. Changes in the environment

and floor conditions and in the needs of the employer can make the consumptions and system solution change. Consequently, the area must be seen by the expert staff of **BASF Yapı Kimyasalları San. A.S.** and/or Expert Implementing Dealers before the system solution and the system solution must be established after the needs of the employer are determined.

## Disclaimer

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