



# Emcephob SH

(Formerly known as Nisiwa-SH)

**Silicone based, ready to use, colourless, hydrophobic impregnation with deep penetrating property**

## Product Properties

- Optimum protection of facades from pelting rains and precipitation moisture by virtue of deep penetrating capacity
- Water based and solvent free
- Possesses deep penetrating effects and is delivered in ready-to-use consistency
- Does not seal surface pores and maintains the original breathing capacity of concrete
- Leaves interiors dry under all weather conditions
- Prevents damage of masonry exposed to aggressive atmosphere especially by frost
- Prevents efflorescence and checks moss and fungus growth
- It has good penetration capacity on low absorption surfaces as well as on fine-pore or moist (not wet) surfaces
- It is effective 1 to 2 hours after application. The impregnation with **Emcephob SH** is the unaffected by rains
- It does not bring about change in colour or structure of impregnated areas
- It shields effectively the facades against dust and soot.
- It provides long lasting and durable impregnation to facades supplemented by water repelling properties

## Areas of Application

- Suitable for application on almost all types of common building materials
- Suitable for porous as well as for undergrounds having slight absorption properties for e.g: Bricks, Unsintered clinker, Split Clinker, Façade stones, Light concrete, Cinder tiles and pumice, Fair faced concrete, Gas concrete, All types of plasters, Renderings, Cast stones, Gypsum boards and plasters

## Application Notes

### General

**Emcephob SH** is a silicone based, ready to use, colorless hydrophobic impregnating coating with deep penetrating properties. **Emcephob SH** protects the exterior masonry reliably against the penetration of moisture to interiors despite pelting rains. Through this process of prevention of transfer of moisture to interiors, an efficient waterproofing and damp proofing is obtained during spring as well as winter seasons.

**Emcephob SH** does not affect the breathing capacity of impregnated surfaces. It is suitable for application on almost all types of common building materials. It is suitable for porous substrates as well as substrates with a slight absorption properties.

### Instructions for use

#### Preparation of base

The substrate must be sound, dry and free from other contamination. Plasters should be at least 14 days old. The cracks and other defective spots in the bases should be rectified before application of **Emcephob SH**.

#### Handling

**Emcephob SH** can be applied by means of soft brushes or by spraying. Only one coat of sufficient material per application is enough to achieve an excellent impregnation. While using spray application it is suggested to also cover the neighboring areas, including those that are not to be impregnated. In case of bases exhibiting high absorptive tendencies two coats are necessary for achieving good impregnation.

When glazed, sintered or non-absorptive surfaces are to be

impregnated, a preliminary trial should be carried out to check the efficiency of the application. It is also recommended to run preliminary trials where there is a possibility of strong dusting on impregnated surfaces during the process of application or when the coat is wet.

### Consumption

The consumption of **Emcephob SH** depends upon the quality and absorptive capacity of the surfaces to be impregnated. Approximately the consumption is in the range of 150 gms/m<sup>2</sup> per coat. If a second coat of **Emcephob SH** is necessary, it should be ensured that the prior coat of **Emcephob SH** should be thoroughly dry.

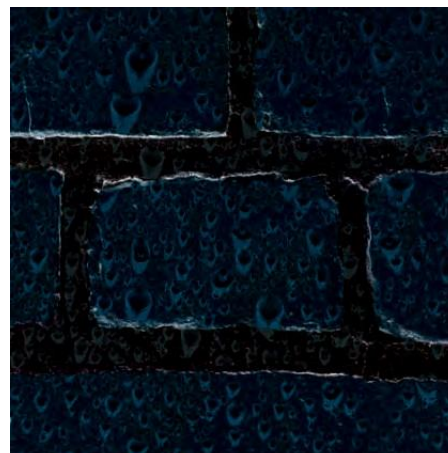


## Further Instructions / Precautions

### Application Procedure



### Hydrophobic Property



## Technical Data For Emcephob SH

Characteristic	Unit	Value	Comments
Density	Gms / cm <sup>3</sup>	1.00	
Consumption	Gms / cm <sup>2</sup>	≈ 150	Approximate consumption per coat. Consumption may vary based on absorption of substrate.

## Product Characteristics for Emcephob SH

Type of Product	Silicone based impregnation coat
Form	Liquid
Colour	Transparent
Shelf Life	9 months from date of Manufacture
Delivery	30 kg Pails and 5 kg buckets.
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees, which may differ from the data contained in our information sheets, are only binding if given in written form. The accepted engineering rules must be observed at all times. E. & O.E.

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