

## Technical data sheet

# WorléeCryl CH-X-2159

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WorléeCryl CH-X-2159 is a high solid acrylate dispersion, developed especially for the production of thermal insulating coatings based on silica aerogels.

### Technical Data:

	Value	Unit	Test Method
Density	approx. 1,06	g/cm <sup>3</sup>	
Viscosity	approx. 100 - 2500	mPa·s	ISO 8962
Non-volatiles, 1h/125 °C	approx. 59	%	DIN EN ISO 3251
pH	approx. 5,5 – 6,5		
MFT	approx. 0	°C	ISO 2115
Delivery	approx. 59	%	in water
Emulsifier	surfactant		

### Properties

- Easy incorporation of voluminous insulation fillers such as hydrophobic aerogels
- Good foam building
- High flexibility, even at low temperatures
- Good water and alkali resistance
- Good adhesion to various substrates

WorléeCryl CH-X 2159 can be combined with the acrylic dispersion WorléeCryl CH-X 2158. The dispersions can be mixed with each other to adjust certain final properties like elasticity and hardness for the respective application.

The combination of both binders allows the production of sprayable or trowelable thermal insulation coatings. The application is also possible in thick layers without cracking.

For the flame retardant finishing, we recommend the halogen-free additive WorléeAdd FR 5000.

### **Recommended storage conditions**

To ensure safe storage of WorléeCryl CH-X-2159, containers should be well sealed to prevent evaporation of water and the formation of skin on the surface. The product must be stored at temperature above freezing. A temperature of +5 – +25°C for not more than 12 months is recommended. Higher temperatures will affect quality and cause the formation of crusts and skins, especially if the containers are not tightly closed or subject to direct sunlight for long periods.