(C1) Existence of channels or planes exclusively occupied by water molecules or possibility of cooperative structural deformation leading to these channels or planes

(C2) Decreasing value of $R - \text{Ratio (energy for liberation of water) / (energy of the crystal)}$

(C3) Increasing size ($s$) of domains with maintained cohesion between molecules

(C4) Increasing quality of the long range order (LRO)

No reorganisation

Nucleation and growth

Disorganised material

Crystallised material

Class I

(No structural filiation between parent and daughter phases)

I - Destr. - Disorg. (I-D.D.)

I - Coop. - Disorg. (I-C.D.)

I - Destr. - Cryst. (I-D.C.)

I - Coop. - Cryst. (I-C.C.)

II - Coop. - Reorg. (II-C.R.)

II - Topotactic (II-T.)

Crystallised particles

Class II

(Structural filiation between parent and daughter phases)

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